



MathStep

3

***Teacher's
Resource Book***

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Chapter 1: The Whole Numbers

Exercise 1.1 (Page No. 08)

A. Write the numbers in words

- a. **1,001**: One thousand and one
- b. **1,325**: One thousand three hundred and twenty five
- c. **3,558**: Three thousand five hundred and fifty eight
- d. **4,005**: Four thousand and five
- e. **5,110**: Five thousand one hundred and ten
- f. **1,186**: One thousand one hundred and eighty six
- g. **3,400**: Three thousand and four hundred
- h. **7,880**: Seven thousand eight hundred and eighty
- i. **9,062**: Nine thousand and sixty two
- j. **9,000**: Nine thousand
- k. **10,000**: Ten thousand
- l. **2,201**: Two thousand, two hundred and one
- m. **2,778**: Two thousand seven hundred and seventy eight
- n. **1,999**: One thousand nine hundred and ninety nine
- o. **4,432**: Four thousand four hundred and thirty two
- p. **5,240**: Five thousand two hundred and forty
- q. **3,000**: Three thousand
- r. **6,232**: Six thousand two hundred and thirty two
- s. **8,555**: Eight thousand five hundred and fifty five
- t. **8,900**: Eight thousand and nine hundred
- u. **9,999**: Nine thousand nine hundred and ninety nine

B. Write the words in numbers

- | | |
|-----------|-----------|
| 1. 10,050 | 6. 6,902 |
| 2. 3,000 | 7. 7,475 |
| 3. 4,211 | 8. 8,060 |
| 4. 6,612 | 9. 8,650 |
| 5. 5,775 | 10. 9,999 |

Exercise 1.2 (Page No. 09)

A. Count and write the next five numbers..

1. **1000**, 1001, 1002, 1003, 1004, 1005 ----- **1010**, 1011, 1012, 1013, 1014, 1015 -----
1020, 1021, 1022, 1023, 1024, 1025 ----- **1030**, 1031, 1032, 1033, 1034, 1035



2. **2301**, 2302, 2303, 2034, 2035, 2036 ----- **2311**, 2312, 2313, 2314, 2315, 2316 -----
2321, 2322, 2323, 2324, 2325, 2326 ----- **2331**, 2332, 2333, 2334, 2335, 2336
3. **2200**, 2201, 2202, 2203, 2204, 2205 ----- **2210**, 2211, 2212, 2213, 2214, 2215, -----
2220, 2221, 2222, 2223, 2224, 2225 ----- **2300**, 2301, 2302, 2303, 2304, 2305
4. **6630**, 6631, 6632, 6633, 6634, 6635 ----- **6640**, 6641, 6642, 6643, 6644, 6645 -----
6650, 6651, 6652, 6653, 6654, 6655 ----- **6660**, 6661, 6662, 6663, 6664, 6665
5. **7741**, 7742, 7743, 7744, 7745, 7746 ----- **7751**, 7752, 7753, 7754, 7755, 7756 -----
7761, 7762, 7763, 7764, 7765, 7766 ----- **7771**, 7772, 7773, 7774, 7775, 7776
6. **8222**, 8223, 8224, 8225, 8226, 8227 ----- **8232**, 8233, 8234, 8235, 8236, 8237 -----
8242, 8243, 8244, 8245, 8246, 8247 ----- **8252**, 8253, 8254, 8255, 8256, 8257
7. **9550**, 9551, 9552, 9553, 9554, 9555 ----- **9560**, 9561, 9562, 9563, 9564, 9565 -----
9570, 9571, 9572, 9573, 9574, 9575 ----- **9580**, 9581, 9582, 9583, 9584, 9585 -----
8. **9970**, 9971, 9972, 9973, 9974, 9975 ----- **9980**, 9981, 9982, 9983, 9984, 9985 -----
9990, 9991, 9992, 9993, 9994, 9995 ----- **1000**, 1001, 1002, 1003, 1004, 1005

B. Complete the given table

Sr.	Numbers	Ten Thousands	Thousands	Hundreds	Tens	Ones
1	4,441	-	4	4	4	1
2	3,305	-	3	3	0	5
3	700	-	-	7	0	0
4	45	-	-	-	4	5
5	560	-	-	5	6	0
6	85	-	-	-	8	5
7	2,211	-	2	2	1	1
8	15,700	1	5	7	0	0
9	6,630	-	6	6	3	0
10	10,775	1	0	7	7	5

Exercise 1.3 (Page No. 12 – 13)

A. Draw beads in abacus to represent the numbers, and write the number's name:

1. **9,201**: Nine thousand two hundred and five
2. **3,410**: Three thousand four hundred and ten
3. **5,662**: Five thousand six hundred and sixty two
4. **6,225**: Six thousand two hundred and twenty five
5. **7,700**: Seven thousand seven hundred
6. **8,500**: Eight thousand and five hundred
7. **4,335**: Four thousand three hundred and thirty five



8. **2,115**: Two thousand one hundred and fifteen
9. **1,445**: One thousand four hundred and forty five
10. **9,999**: Nine thousand nine hundred and ninety nine

Exercise 1.4 (Page No. 14)

A. Write the numbers in expanded form

1. **1,115**: $1000+100+10+5$
2. **774**: $700+70+4$
3. **85**: $80+5$
4. **2,340**: $2000+300+40+0$
5. **3,225**: $3000+200+20+5$
6. **7,466**: $7000+400+60+6$
7. **950**: $900+50+0$
8. **6,681**: $6000+600+80+1$
9. **8,545**: $8000+500+40+5$
10. **9,999**: $9000+900+90+9$

B. Write these expanded forms in numbers

- | | |
|----------|-----------|
| 1. 2,222 | 7. 5,370 |
| 2. 555 | 8. 1,644 |
| 3. 4,432 | 9. 6,728 |
| 4. 8,152 | 10. 9,999 |
| 5. 3,507 | 11. 3,803 |
| 6. 7,064 | 12. 1,000 |

Exercise 1.5 (Page No. 18)

A. Look at these numbers carefully, compare the numbers by putting the signs > or

<.

- | | |
|------|------|
| a. > | f. > |
| b. > | g. > |
| c. < | h. > |
| d. > | i. > |
| e. > | j. > |



B. Place > or < in each box and give the answer which digit the answer which digit did you compare?

1. <, as $5 < 6$

2. <, as $0 < 5$

3. <, as $8 < 9$

4. <, as $2 < 3$

5. <, as $1 < 8$

6. <, as $1 < 3$

7. = both are same.

8. >, as $5 > 0$

9. >, as $7 > 6$

10. >, as $9 > 2$

Exercise 1.6 (Page No. 20)

A. Arrange these numbers in ascending order:

1. 4407, 4418, 4425, 5511, 5520, 5555

2. 1220, 1230, 1335, 2205, 2212, 2415

3. 3440, 3504, 3543, 6215, 6407, 6418

4. 7415, 7475, 7718, 7720, 7755, 7865

B. Arrange these numbers in descending order:

1. 8718, 7911, 7907, 7817, 7813

2. 5836, 5629, 5503, 5445, 5220

3. 7835, 7820, 7817, 7815, 7811

4. 8430, 6510, 4525, 3222, 2110

Exercise 1.7 (Page No. 21)

A. Find the missing numbers:

1. 210, 220, 230, 240, 250, 260, 270, 280

2. 750, 760, 770, 780, 790, 800, 810, 820

3. 8252, 8253, 8254, 8255, 8256, 8257, 8258, 8259,

4. 7709, 7708, 7707, 7706, 7705, 7704, 7703, 7702

5. 400, 500, 600, 700, 800, 900, 1000, 1100.

6. 980, 880, 780, 680, 580, 480, 380, 280,

7. 9552, 8552, 7552, 6552, 5552, 4552, 3552, 2552, 1552

8. 2270, 3270, 4270, 5270, 6270, 7270, 8270, 9270

B. Write these numbers in double pattern:

(Note: this question is not valid, Consider "Double Pattern" as multiples)

1. 10, 20, 30, 40, 50, 60, 70

2. 70, 140, 210, 280, 350, 420

3. 120, 240, 360, 480, 600, 720, 840



4. 300, 600, 900, 1200, 1500, 1800, 2100
5. 240, 480, 720, 960, 1200, 1440, 1680
6. 410, 820, 1230, 1640, 2050, 2460, 2870
7. 550, 1100, 1650, 2200, 2800, 3350, 3900
8. 620, 1240, 1860, 2480, 3100, 3720, 4340
9. 830, 1660, 2490, 3320, 4150, 4980, 5810
10. 940, 1880, 2820, 3760, 4700, 5640, 6580

Exercise 1.8 (Page No. 23)

A. Convert the Roman Numerals into Arabic numbers:

- | | |
|----------------------------|--------|
| 1. 5 | 8. 20 |
| 2. 3 | 9. 24 |
| 3. 9 | 10. 28 |
| 4. 10 | 11. 35 |
| 5. 13 | 12. 30 |
| 6. 17 | 13. 40 |
| 7. Miss Printing, leave it | 14. 46 |

B. Convert to Roman Numerals.

- | | |
|------------|------------|
| 1. VI | 10. XVIII |
| 2. XXII | 11. V |
| 3. XXV | 12. XLV |
| 4. IX | 13. XXXIII |
| 5. XXXVIII | 14. XI |
| 6. XLII | 15. XLVI |
| 7. XIII | 16. L |
| 8. XXIX | 17. XXIII |
| 9. XXXVII | 18. XLIII |

End of Chapter Exercises:

A. Solve the following Problems

1. 8
2. Hundred
3. A = 4,056
4. 6,256
5. Four thousand six hundred and fifty
6. 1,052



B. Write the correct comparison symbol (>, < or =) in each box

- | | |
|-------|-------|
| 1. < | 11. = |
| 2. < | 12. < |
| 3. = | 13. < |
| 4. > | 14. = |
| 5. > | 15. < |
| 6. < | 16. = |
| 7. > | 17. = |
| 8. > | 18. < |
| 9. < | 19. > |
| 10. = | 20. = |

C. Arrange these 4 – digit numbers in ascending order:

- 1021, 1102, 1120, 1201, 1210, 1212
- 4319, 4913, 4931, 4939, 4943, 4949
- 2408, 2440, 2448, 2480, 2484, 2488
- 5792, 5972, 7972, 7992, 7997, 7998
- 4016, 4061, 4106, 4160, 4601, 4610

D. Arrange these 4 – digit numbers in descending order:

- 6648, 6646, 6608, 6604, 6086, 6084
- 2310, 2301, 2130, 2103, 2031, 2013
- 7550, 7520, 7502, 7250, 7205, 7052
- 4942, 4940, 4492, 4420, 4290, 4209
- 1119, 1111, 1110, 1101, 1011, 1010

E. Write these Roman numerals in common numbers:

- | | |
|--------|--------|
| 1. 12 | 11. 8 |
| 2. 7 | 12. 15 |
| 3. 10 | 13. 14 |
| 4. 18 | 14. 28 |
| 5. 5 | 15. 1 |
| 6. 2 | 16. 6 |
| 7. 26 | 17. 20 |
| 8. 18 | 18. 22 |
| 9. 22 | 19. 13 |
| 10. 24 | 20. 30 |



Chapter 2: Addition and Subtraction of Whole Numbers

Exercise 2.1 (Page No. 28)

A. Add the following LARGE numbers with or without carrying

	Th	H	T	O
	4	5	0	2
	3	2	1	6
+	2	0	4	1
	9	7	5	9

	Th	H	T	O
	3	5	0	1
	2	4	6	2
+	1	0	2	1
	6	9	8	4

	Th	H	T	O
	1		1	
	4	2	1	7
	1	7	3	5
+	3	2	0	1
	9	1	5	3

	Th	H	T	O
	1			
	2	4	3	4
	1	0	5	2
+	3	6	1	0
	7	0	9	6

	Th	H	T	O
	1			
	5	6	4	7
	1	0	3	2
+	2	4	0	1
	9	0	8	0

	Th	H	T	O
	1			
	4	8	2	3
	1	0	4	0
+	2	5	0	5
	8	3	6	8



	Th	H	T	O
	1	0	0	0
	5	0	0	0
+	2	0	0	0
	8	0	0	0

	Th	H	T	O
	1	2	0	0
	2	3	0	0
+	4	5	0	0
	8	0	0	0

	Th	H	T	O
	1	1		
	2	3	5	0
	4	6	2	0
+	1	2	4	2
	8	2	1	2

	Th	H	T	O
	1	1		
	3	7	2	0
	2	1	3	0
+	1	5	8	0
	7	4	3	0

	Th	H	T	O
	1			
	5	3	1	2
	2	6	4	2
+	1	7	1	5
	9	6	6	9

	Th	H	T	O
			1	
	3	2	2	4
	1	5	1	3
+		2	1	5
	4	9	5	2

B. Solve these sums.

(From left to right)

	Th	H	T	O
			1	
	1	2	2	5
+	1	3	2	6
	2	5	5	1

	Th	H	T	O
	2	1	2	3
+	4	2	0	5
	6	3	2	8



	Th	H	T	O
	1	1	1	
	<hr/>			
	9	5	7	9
+	8	7	6	5
	<hr/>			
1	8	3	4	4

	Th	H	T	O
			1	
	<hr/>			
	1	2	2	5
+	1	3	4	6
	<hr/>			
	2	5	7	1

	Th	H	T	O
	<hr/>			
	2	3	0	0
+	4	5	0	0
	<hr/>			
	6	8	0	0

	Th	H	T	O
	1	1	1	
	<hr/>			
	4	3	2	1
+	9	9	9	9
	<hr/>			
1	4	3	2	0

	Th	H	T	O
			1	
	<hr/>			
	2	2	2	8
+	3	3	3	9
	<hr/>			
	5	5	6	7

	Th	H	T	O
	1			
	<hr/>			
	1	5	3	3
+	1	7	3	2
	<hr/>			
	3	2	6	5

	Th	H	T	O
	1	1	1	
	<hr/>			
	9	7	9	5
+	8	9	6	9
	<hr/>			
1	8	7	6	4

	Th	H	T	O
		1		
	<hr/>			
	4	2	5	4
+	1	5	6	3
	<hr/>			
	5	8	1	7



	Th	H	T	O
			1	
	<hr/>			
	3	2	6	4
+	5	4	2	6
	<hr/>			
1	3	6	9	0
	<hr/>			

	Th	H	T	O
			1	
	<hr/>			
	6	4	9	9
+	2	9	7	8
	<hr/>			
	9	4	7	7
	<hr/>			

	Th	H	T	O
			1	
	<hr/>			
	7	1	4	5
+	2	3	3	3
	<hr/>			
	9	4	7	8
	<hr/>			

	Th	H	T	O
			1	1
	<hr/>			
	1	0	9	4
+	8	8	8	8
	<hr/>			
	9	9	8	2
	<hr/>			

	Th	H	T	O
			1	
	<hr/>			
	4	7	2	1
+	4	3	6	6
	<hr/>			
	9	0	8	7
	<hr/>			

Exercise 2.2 (Page No. 31)

A. Subtract the following

	Th	H	T	O
			2	1
	<hr/>			
	5	2	3	4
-	4	1	2	6
	<hr/>			
	1	1	0	8
	<hr/>			

	Th	H	T	O
			5	1
	<hr/>			
	7	6	2	5
-	3	2	8	0
	<hr/>			
	4	3	4	5
	<hr/>			



	Th	H	T	O
		1	1	1
	<hr/>			
	9	4	2	3
-		8	1	5
	<hr/>			
	8	6	0	8

	Th	H	T	O
		15	1	
	<hr/>			
	2	6	3	6
-	1	8	4	6
	<hr/>			
		7	9	0

	Th	H	T	O
		0	1	
	<hr/>			
	9	1	4	6
-	5	0	9	4
	<hr/>			
	4	0	5	2

	Th	H	T	O
	4	1		
	<hr/>			
	5	4	6	6
-	1	6	6	6
	<hr/>			
	3	8	0	0

	Th	H	T	O
	<hr/>			
	3	4	0	0
-	2	1	0	0
	<hr/>			
	1	3	0	0

	Th	H	T	O
	<hr/>			
	4	5	5	6
-	2	3	2	3
	<hr/>			
	2	2	3	3

	Th	H	T	O
			6	1
	<hr/>			
	7	9	7	1
-	3	7	5	5
	<hr/>			
	4	2	1	6

	Th	H	T	O
	7	1		
	<hr/>			
	8	0	4	4
-	2	3	4	4
	<hr/>			
	5	7	0	0

	Th	H	T	O
		4	1	
	<hr/>			
	1	5	8	2
-	1	4	9	2
	<hr/>			
	0	0	9	0

	Th	H	T	O
	<hr/>			
	8	4	2	0
-	3	2	2	0
	<hr/>			
	5	2	0	0



Exercises 2.3 (Page No. 32)

Solve these sums:

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ 1 \quad 9 \quad 1 \quad \\ \hline \cancel{2} \quad \cancel{0} \quad 3 \quad 0 \\ - \quad 1 \quad 2 \quad 5 \quad 0 \\ \hline 0 \quad 7 \quad 8 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ 5 \quad 1 \quad \\ \hline \cancel{6} \quad 4 \quad 1 \quad 2 \\ - \quad 2 \quad 5 \quad 0 \quad 2 \\ \hline 3 \quad 9 \quad 1 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad \quad 4 \quad 1 \quad \\ \hline 6 \quad \cancel{5} \quad 5 \quad 5 \\ - \quad 2 \quad 3 \quad 7 \quad 5 \\ \hline 4 \quad 1 \quad 8 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ 4 \quad 1 \quad 3 \quad 1 \\ \hline \cancel{5} \quad 2 \quad 4 \quad 3 \\ - \quad 1 \quad 3 \quad 2 \quad 5 \\ \hline 3 \quad 9 \quad 1 \quad 8 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ 1 \quad 1 \quad \\ \hline 2 \quad \cancel{2} \quad \cancel{2} \quad 0 \\ - \quad 1 \quad 1 \quad 3 \quad 0 \\ \hline 1 \quad 0 \quad 9 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad \quad 7 \quad 1 \quad \\ \hline 1 \quad \cancel{8} \quad 7 \quad 9 \\ - \quad 1 \quad 2 \quad 9 \quad 0 \\ \hline 0 \quad 5 \quad 8 \quad 9 \end{array}$$

Exercise 2.4 (Page No. 33)

A. Find the missing numbers

- 10
- 94
- 195
- 255
- 120
- 303
- 4370
- 7230
- 9340
- 846



B. Add these mentally

- | | |
|--------|---------|
| 1. 90 | 6. 470 |
| 2. 255 | 7. 550 |
| 3. 16 | 8. 80 |
| 4. 170 | 9. 62 |
| 5. 240 | 10. 570 |

Exercise 2.5 (Page No. 35)

A. Find the difference mentally

- | | |
|-------|---------|
| 1. 60 | 7. 110 |
| 2. 26 | 8. 180 |
| 3. 76 | 9. 210 |
| 4. 40 | 10. 320 |
| 5. 24 | 11. 450 |
| 6. 56 | 12. 510 |

B. Fill the missing numbers

- | | |
|--------|---------|
| 1. 21 | 7. 370 |
| 2. 6 | 8. 448 |
| 3. 85 | 9. 540 |
| 4. 125 | 10. 630 |
| 5. 180 | 11. 750 |
| 6. 0 | 12. 834 |
| 13. | |

End of Chapter Exercise

Exercise 2.6 (Page No. 36-37)

A. Use the information the story to answer the questions. Show your work in the space to the right.

- $10+18+12 = 40$
- $18-5 = 13$
- $22-7 = 15$
- None
- $40+8 = 48$
- Number of animals seen:

Elephants: 10

Zebras: 18

Baboons: 12

Rhinos: 1

Lions: 8

Monkeys: 22

Giraffes: 2

Jackals: 3



B. Solve the following word problems

1. 282
2. $335+115=450$
3. $220+103=323$
4. $570-43=527$
5. $433+67=500$
6. $145-91=54$
7. $20+8-5=23$
8. $64-32=32$
9. $20+15=35$
10. $2430+1500=3930$

Chapter 3: Measuring Length

Exercise 3.1 (Page No. 40-41)

A. Look at the pictures and choose the best unit to measure them

1. cm
2. cm
3. m
4. m
5. cm
6. m

B. Complete the equivalence tables below and answer the questions that follow

Centimeters	1	4	7	11	Centimeters	200	300	0.7	1.3
Millimeters	10	40	70	110	Millimeters	2000	3000	7	13

- a. 70mm
- b. 700cm
- c. 11cm
- d. 1300cm
- e. 2.3m
- f. 15 m

C. Use the table below to answer the questions

- a. 12000 m
- b. 24 km
- c. To convert meters into kilometers, we divide value of meters by 1000 as we know that 1000 meters is equal to 1 kilometer.



Exercise 3.2 (Page No. 43)

A. Convert the following into centimeters

- $4 \times 100 = 400\text{cm}$
- $22 \times 100 = 2200\text{cm}$
- $4 \times 100 = 400 + 24 = 424\text{ cm}$
- $3 \times 100 = 300 + 27 = 327\text{cm}$
- $45 \times 100 = 4500\text{cm}$

B. Convert the following into meters

- $7 \times 1000 = 7,000\text{ m}$
- $15 \times 1000 = 15,000\text{ m}$
- $5 \times 1000 = 5000 + 225 = 5,225\text{ m}$
- $9 \times 1000 = 9,000\text{ m}$
- $11 \times 1000 = 11,000$

C. Convert into kilometers

- $200 \div 1000 = 0.2\text{ m}$
- $5500 \div 1000 = 5.5\text{ km}$
- $3375 \div 1000 = 3.375\text{ km}$
- $7080 \div 1000 = 7.08\text{ km}$
- $4445 \div 1000 = 4.445\text{ km}$

Exercise 3.3 (Page No. 44-45)

A. Add the following

	Km	m		Km	m		Km	m		Km	m
	4	65		18	08		33	55		62	99
+	7	45	+	23	76	+	11	22	+	33	11
<hr/>			<hr/>			<hr/>			<hr/>		
	11	110		41	84		44	77		95	110
<hr/>			<hr/>			<hr/>			<hr/>		

B. Solve these numbers

- 16 m 27 cm
- 26 m 77 cm
- 100 m 64 cm
- 17 m 62 cm
- 16 m 10 cm



SUBTRACTION

C. Subtract these sums

1. 1000 km
2. 29 m
3. 125 m
4. 36 m
5. 136 km
6. 70 km
7. 100 km
8. 54 km

Multiplication

Exercise 3.4 (Page No. 46)

A. Solve these sums

1. **9m 84cm × 6 =?**

Solution

$$9\text{m } 84\text{cm} \times 6$$

First we convert the meter into centimeter

$$9\text{m} = 9 \times 100 = 900\text{cm}$$

Then we add both values

$$900\text{cm} + 84\text{cm} = 984\text{cm}$$

Then we multiply the opt value to 6, as asked in the question

$$984\text{cm} \times 6 = 5904\text{cm}$$

To obtain the best result, we divided this value to 100

$$5904 \div 100 = 59.04 \text{ m}$$

Means

59m 4cm Answer

2. **7m 92cm × 8 =?**

Solution

$$7\text{m } 92\text{cm} \times 8$$

First we convert the meter into centimeter

$$7\text{m} = 7 \times 100 = 700\text{cm}$$

Then we add both values

$$700\text{cm} + 92\text{cm} = 792\text{cm}$$

Then we multiply the opt value to 8, as asked in the question

$$792\text{cm} \times 8 = 6336\text{cm}$$

To obtain the best result, we divided this value to 100

$$6336 \div 100 = 63.36 \text{ m}$$

Means

63m 36cm Answer



3. 5m 66cm × 7 =?

Solution

5m 66cm × 7

First we convert the meter into centimeter

5m = 5 × 100 = 500cm

Then we add both values

500cm + 66cm = 566cm

Then we multiply the opt value to 7, as asked in the question

566cm × 7 = 3962cm

To obtain the best result, we divided this value to 100

3962 ÷ 100 = 39.62 m

Means

39m 62cm Answer

4. 4m 48cm × 5 =?

Solution

4m 48cm × 5

First we convert the meter into centimeter

4m = 4 × 100 = 400cm

Then we add both values

400cm + 48cm = 448cm

Then we multiply the opt value to 5, as asked in the question

448cm × 5 = 2240cm

To obtain the best result, we divided this value to 100

2240 ÷ 100 = 22.40 m

Means

22m 40cm Answer

5. 6m 18cm × 12 =?

Solution

6m 18cm × 12

First we convert the meter into centimeter

6m = 6 × 100 = 600cm

Then we add both values

600cm + 18cm = 618cm

Then we multiply the opt value to 12, as asked in the question

618cm × 12 = 7416cm

To obtain the best result, we divided this value to 100

7416 ÷ 100 = 74.16 m

Means

74m 16cm Answer



DIVISION

Exercise 3.5 (Page No. 46)

A. Divide these sums

1. $9\text{m } 21\text{cm} \div 3 = ?$

Method 1

Solution

$$9\text{m } 21\text{cm} \div 3$$

First we convert the meter into centimeter

$$9\text{m} = 9 \times 100 = 900\text{cm}$$

Then we add both values

$$900\text{cm} + 21\text{cm} = 921\text{cm}$$

Then we divide opt value to 3, as asked in the question

$$921\text{cm} \div 3 = 307\text{cm}$$

To obtain the best result, we divided this value to 100

$$307 \div 100 = 3.07 \text{ m}$$

Means

3m 7cm Answer

OR

Method 2

Solution

$$9\text{m } 21\text{cm} \div 3$$

We divide both values by 3 separately, as asked in the question without converting units

$$(9 \div 3) \text{ m } (21 \div 3) \text{ cm}$$

3m 7cm Answer

Note: we can use both methods to solve these types of questions. Teachers choose whichever is easier for the kids. But one thing is necessary to know that Method 2 is more confusing and have more probability of errors than Method 1. Although Method 2 is short and direct but needs more conceptual clarity.

2. $8\text{m } 18\text{cm} \div 2 = ?$

Solution

$$8\text{m } 18\text{cm} \div 2$$

We divide both values by 2 separately, as asked in the question without converting units

$$(8 \div 2) \text{ m } (18 \div 2) \text{ cm}$$

4m 9cm Answer

3. $12\text{m } 96\text{cm} \div 12 = ?$

Solution

$$12\text{m } 96\text{cm} \div 12$$

We divide both values by 12 separately, as asked in the question without converting units



$(12 \div 12)$ m $(96 \div 12)$ cm
1m 8cm Answer

4. 7m 49cm \div 7 =?

Solution

7m 49cm \div 7

We divide both values by 7 separately, as asked in the question without converting units

$(7 \div 7)$ m $(49 \div 7)$ cm

1m 7cm Answer

5. 18m 54cm \div 6 =?

Solution

18m 54cm \div 6

We divide both values by 6 separately, as asked in the question without converting units

$(18 \div 6)$ m $(54 \div 6)$ cm

3m 9cm Answer

End of Chapter Exercises (Page No. 47)

1. $800 \div 4 = 200$ m
2. $55 - 35 = 20$ cm
3. $6 \times 100 = 600 + 54 = 654 \div 6 = 109$ cm = 1m 9cm
4. $12\text{m} - 6\text{m } 60\text{cm} = 5\text{m } 40\text{cm}$
5. $85 + 45 = 130$ m
6. $24\text{m } 25\text{cm} + 17\text{m } 15\text{cm} = 41\text{m } 40\text{cm}$
7. $750 + 900 = 1650$ km
8. $4\text{ km } 370\text{ m} + 7\text{ km } 750\text{ m} = 12\text{ km } 120\text{ m}$
9. $1\text{ m } 45\text{cm} - 90\text{ cm} = 55\text{ cm}$
10. $50\text{ m } 70\text{ cm} + 90\text{ m } 80\text{ cm} = 141\text{ m } 50\text{ cm}$

Chapter 4: Measuring Mass or Weight

Exercise 4.1 (Page No. 51)

A. Look at these pictures and tell whether the objects should be measured in kg, g or mg
(Starts Clockwise from Apple, Carrot...)

- | | |
|--------------|--------------|
| 1. Gram | 5. Kilogram |
| 2. Gram | 6. Gram |
| 3. Kilogram | 7. Milligram |
| 4. Milligram | 8. Gram |



9. Gram
10. Milligram
11. Kilogram
12. Gram

13. Milligram
14. Milligram
15. Kilogram
16. Kilogram

B. Convert into kg, g and mg.

- | | |
|---------------------|---------------------|
| 1. 1000g | 6. 200,000g |
| 2. 5000mg | 7. $\frac{1}{2}$ kg |
| 3. $\frac{1}{4}$ kg | 8. 1kg |
| 4. 9000mg | 9. $\frac{1}{2}$ kg |
| 5. 3000g | 10. 1000g |

C. Look at these items and estimate their weight. Draw them in correct box

1. Aquarium (fish bowl), radio, five kg oil and radio will come in **more than 2 kg** column.
2. Pencil, coins, teddy bear, drink and frame will come in **less than 2 kg** column.

Exercises 4.2 (Page No. 53)

A. Convert the following into grams

1. $4 \times 1000 = 4000 + 500 = 4500g$
2. $8 \times 1000 = 8000 + 300 = 8300g$
3. $2 \times 1000 = 2000 + 562 = 2562g$
4. $9 \times 1000 = 9000 + 411 = 9411g$
5. $20 \times 1000 = 20000 + 732 = 20732g$
6. $10 \times 1000 = 10000 + 200 = 10200g$

B. Convert the following into kilograms and grams

1. $3208 \div 1000 = 3.208 = 3kg\ 208g$
2. $4511 \div 1000 = 4.511 = 4kg\ 511g$
3. $8320 \div 1000 = 8.320 = 8kg\ 320g$
4. $2771 \div 1000 = 2.771 = 2kg\ 771g$
5. $7002 \div 1000 = 7.002 = 7kg\ 2g$
6. $1585 \div 1000 = 1.585 = 1kg\ 585g$

C. Convert the following into milligrams

1. $6 \times 1000 = 6,000\ mg$
2. $2 \div 1000 = 0.002\ g$
3. $9 \times 1000 = 9000 \times 1000 = 9,000,000\ mg$
4. $100 \div 1000 = 0.1\ kg$



5. $3654 \div 1000 = 3.654 \div 1000 = 0.003654\text{kg}$
6. $67 \times 1000 \quad 67000 \times 1000 = 67,000,000 \text{ mg}$
7. $436 \div 1000 = 0.436\text{g}$
8. $7 \times 1000 = 7000 \times 1000 = 7,000,000 \text{ mg}$
9. $9843 \div 1000 = 9.843\text{g}$
10. $70 \times 1000 = 70,000 \text{ mg}$

ADDITION

Exercise 4.3 (Page NO. 54)

A. Add the numbers, then convert them into grams

1. We know $1\text{kg} = 1000\text{g}$

Kg	g
5	250
+ 8	315
13	565

First we convert the kilogram into gram
 $13\text{kg} = 13 \times 1000 = 13000\text{g}$
 Then we add both values
 $13000\text{g} + 565\text{g} = 13,565\text{g}$ Answer

2. .

Kg	g
5	218
+ 6	706
11	924

First we convert the kilogram into gram
 $11\text{kg} = 11 \times 1000 = 11000\text{g}$
 Then we add both values
 $11,000\text{g} + 924\text{g} = 11,924\text{g}$ Answer

- 3.

Kg	g
3	0
+ 2	0
5	0

Convert the kilogram into gram
 $5\text{kg} = 5 \times 1000 = 5,000\text{g}$ Answer

- 4.

Kg	g
7	406
+ 3	405
10	811

First we convert the kilogram into gram
 $10\text{kg} = 10 \times 1000 = 10000\text{g}$
 Then we add both values
 $10,000\text{g} + 811\text{g} = 10,811\text{g}$ Answer

- 5.

Kg	g
3	415
+ 2	227
5	642

First we convert the kilogram into gram
 $5\text{kg} = 5 \times 1000 = 5000\text{g}$
 Then we add both values
 $5,000\text{g} + 642\text{g} = 5,642\text{g}$ Answer



6.

	Kg	g
	4	0
+	9	0
<hr/>		
	13	0

Convert the kilogram into gram
 $13\text{kg} = 13 \times 1000 = 13,000\text{g}$ Answer

7.

	Kg	g
	6	155
+	2	206
<hr/>		
	8	361

First we convert the kilogram into gram
 $8\text{kg} = 8 \times 1000 = 8000\text{g}$
Then we add both values
 $8,000\text{g} + 361\text{g} = 8,361\text{g}$ Answer

8.

	Kg	g
	9	333
+	5	482
<hr/>		
	14	815

First we convert the kilogram into gram
 $14\text{kg} = 14 \times 1000 = 14,000\text{g}$
Then we add both values
 $14,000\text{g} + 815\text{g} = 14,815\text{g}$ Answer

9.

	Kg	g
	1	0
+	2	0
<hr/>		
	3	0

Convert the kilogram into gram
 $3\text{kg} = 3 \times 1000 = 3,000\text{g}$ Answer

10.

	Kg	g
	8	78
+	3	111
<hr/>		
	11	189

First we convert the kilogram into gram
 $11\text{kg} = 11 \times 1000 = 11,000\text{g}$
Then we add both values
 $11,000\text{g} + 189\text{g} = 11,189\text{g}$ Answer

11.

	Kg	g
	7	818
+	5	112
<hr/>		
	12	930

First we convert the kilogram into gram
 $12\text{kg} = 12 \times 1000 = 12,000\text{g}$
Then we add both values
 $12,000\text{g} + 930\text{g} = 12,930\text{g}$ Answer



12.

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 3 \quad 270 \\ + \quad 8 \quad 317 \\ \hline 11 \quad 587 \end{array}$$

First we convert the kilogram into gram

$$11\text{kg} = 11 \times 1000 = 11,000\text{g}$$

Then we add both values

$$11,000\text{g} + 587\text{g} = 11,587\text{g} \text{ Answer}$$

SUBTRACTION

Exercise 4.4 (Page No. 55)

A. Subtract the following:

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 7 \quad 565 \\ - 3 \quad 278 \\ \hline 4 \quad 287 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 56 \quad 333 \\ - 21 \quad 217 \\ \hline 35 \quad 116 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 9 \quad 776 \\ - 6 \quad 557 \\ \hline 3 \quad 219 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 76 \quad 668 \\ - 35 \quad 225 \\ \hline 41 \quad 443 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 44 \quad 939 \\ - 22 \quad 535 \\ \hline 22 \quad 404 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 8 \quad 624 \\ - 6 \quad 224 \\ \hline 2 \quad 400 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 42 \quad 555 \\ - 11 \quad 123 \\ \hline 31 \quad 432 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 76 \quad 807 \\ - 44 \quad 402 \\ \hline 32 \quad 405 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 11 \quad 109 \\ - 9 \quad 87 \\ \hline 32 \quad 22 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 67 \quad 482 \\ - 67 \quad 209 \\ \hline 00 \quad 273 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 39 \quad 600 \\ - 38 \quad 582 \\ \hline 1 \quad 18 \end{array}$$

$$\begin{array}{r} \text{Kg} \quad \text{g} \\ 5 \quad 342 \\ - 3 \quad 195 \\ \hline 2 \quad 147 \end{array}$$



MULTIPLICATION

Exercise 4.5 (Page No. 56)

A. Solve these sums

1. $3\text{kg } 500\text{g} \times 8 = ?$

Solution

$$\begin{aligned} &= 3\text{kg } 500\text{g} \times 8 \\ &= (3 \times 1000\text{g} + 500\text{g}) \times 8 \\ &= (3000\text{g} + 500\text{g}) \times 8 \\ &= (3,500\text{g}) \times 8 \\ &= 28,000\text{g Answer} \end{aligned}$$

2. $5\text{kg } 750\text{g} \times 6 = ?$

Solution

$$\begin{aligned} &= 5\text{kg } 750\text{g} \times 6 \\ &= (5 \times 1000\text{g} + 750\text{g}) \times 6 \\ &= (5000 + 750) \times 6 \\ &= (5,750\text{g}) \times 6 \\ &= 34,500\text{g Answer} \end{aligned}$$

3. $8\text{kg } 250\text{g} \times 9 = ?$

Solution

$$\begin{aligned} &= 8\text{kg } 250\text{g} \times 9 \\ &= (8 \times 1000\text{g} + 250\text{g}) \times 9 \\ &= (8000\text{g} + 250\text{g}) \times 9 \\ &= (8,250\text{g}) \times 9 \\ &= 74,250\text{g Answer} \end{aligned}$$

4. $1\text{kg } 300\text{g} \times 2 = ?$

Solution

$$\begin{aligned} &= 1\text{kg } 300\text{g} \times 2 \\ &= (1 \times 1000\text{g} + 300\text{g}) \times 2 \\ &= (1000\text{g} + 300\text{g}) \times 2 \\ &= (1,300\text{g}) \times 2 \\ &= 2,600\text{g Answer} \end{aligned}$$

5. $7\text{kg } 200\text{g} \times 5 = ?$

Solution

$$\begin{aligned} &= 7\text{kg } 200\text{g} \times 5 \\ &= (7 \times 1000\text{g} + 200\text{g}) \times 5 \\ &= (7000\text{g} + 200\text{g}) \times 5 \\ &= (7,200\text{g}) \times 5 \\ &= 36\text{kg or } 36,000\text{g Answer} \end{aligned}$$



DIVISION

Exercise 4.6 (Page No. 56)

B. Solve these sums

1. $5\text{kg} \div 750\text{g} = ?$

Solution

$$\begin{aligned} &= 5\text{kg} \div 750\text{g} \\ &= (5 \times 1000\text{g}) \div 750\text{g} \\ &= 5000\text{g} \div 750\text{g} \\ &= 6.6 \end{aligned}$$

2. $8\text{kg} \div 640\text{g} = ?$

Solution

$$\begin{aligned} &= 8\text{kg} \div 640\text{g} \\ &= (8 \times 1000\text{g}) \div 640\text{g} \\ &= 8000\text{g} \div 640\text{g} \\ &= 12.5 \end{aligned}$$

3. $1\text{kg} \div 150\text{g} = ?$

Solution

$$\begin{aligned} &= 1\text{kg} \div 150\text{g} \\ &= (1 \times 1000\text{g}) \div 150\text{g} \\ &= 1000\text{g} \div 150\text{g} \\ &= 6.6 \end{aligned}$$

4. $7\text{kg} \div 490\text{g} = ?$

Solution

$$\begin{aligned} &= 7\text{kg} \div 490\text{g} \\ &= (7 \times 1000\text{g}) \div 490\text{g} \\ &= 7000\text{g} \div 490\text{g} \\ &= 14.2 \end{aligned}$$

5. $6\text{kg} \div 180\text{g} = ?$

Solution

$$\begin{aligned} &= 6\text{kg} \div 180\text{g} \\ &= (6 \times 1000\text{g}) \div 180\text{g} \\ &= 6000\text{g} \div 180\text{g} \\ &= 33.3 \end{aligned}$$

End of Chapter Exercises (Page No. 57)

1. $8\text{kg} - 700\text{g} = 8000\text{g} - 700\text{g} = 7300\text{g} = 7\text{kg } 300\text{gm}$
2. $850 - 550 = 300\text{g}$
3. $50 \times 2 = 100\text{g}$



4. $2 \times 200 + 3 \times 180 = 400 + 540 = 940\text{g}$
5. $3500 - 1400 = 2100\text{g}$
6. $8 + 4 = 12\text{kg}$
7. $1\text{kg} + 250\text{g} + 1\text{kg} + 500\text{g} = 2\text{kg } 750\text{g}$
8. $50 \times 2 = 100\text{g}$
9. $3300 + 2000 = 5300\text{g}$
10. $40 + 50 = 92\text{kg}$

Chapter 5: Volume or Capacity

Exercise 5.1 (Page No. 59)

A. Look at these pictures carefully and tell whether the capacity of the containers can be measured in millimeter or liter.

1. Milliliter
2. Liter
3. Milliliter
4. Milliliter
5. Liter

B. Color activity

C. Compare the capacity and fill in the box using symbol $<$, $>$ or $=$ in each box. (Page No. 60)

$>$	$=$
$<$	$<$
$<$	$>$

D. Measure the volume of liquids in the following measuring beakers and give answer to the questions.

1. 300 ml
2. 500 ml
3. 150 ml and 850 ml
4. 350 ml
5. 150 ml
6. 1800 ml

Exercise 5.2 (Page No. 61)

A. Convert the following into millimeters

- | | |
|------------|------------|
| a. 2,000ml | c. 6,022ml |
| b. 4,050ml | d. 7,088ml |



- e. 3,000ml
- f. 11,000ml
- g. 5,003ml

- h. 10,000ml
- i. 66,000ml
- j. 90,000ml

B. Convert these millimeters into liters

- a. 4 Liters
- b. 0.3 Liter
- c. 0.75 Liter
- d. 0.5 Liter
- e. 1.5 Liters

- f. 8 Liters
- g. 2.06 Liters
- h. 5.67 Liters
- i. 0.75 Liter
- j. 1.9 Liters

Exercise 5.3 (Page No. 62)

A. Add the following

	L	ml
	5	411
+	4	322
	11	733

	L	ml
	3	312
+	8	217
	11	529

	L	ml
	8	545
+	13	163
	21	708

	L	ml
	58	423
+	25	781
	84	204

	L	ml
	4	150
+	1	200
	5	350

	L	ml
	28	800
+	13	215
	42	015

	L	ml
	12	214
+	11	115
	23	329

	L	ml
	24	740
+	24	620
	49	360

	L	ml
	32	192
+	12	666
	44	858

B. Compound Addition, First add ml to ml then add liter and milliliter.

1. $5L + (2+7+4) \text{ ml} = ?$

Solution
 $= 5L + (2+7+4) \text{ ml}$
 $= 5L + 13\text{ml}$
 $= 5 \times 1000 + 13$



$$= 5000 + 13$$
$$= 5013 \text{ ml Answer}$$

2. 17L + (9+2+0) ml =?

Solution

$$= 17\text{L} + (9+2+0) \text{ ml}$$
$$= 17\text{L} + 11\text{ml}$$
$$= 17 \times 1000 + 11$$
$$= 17,000 + 11$$
$$= 17,011 \text{ ml Answer}$$

3. 35 L + (2+4+8) ml =?

Solution

$$= 35 \text{ L} + (2+4+8) \text{ ml}$$
$$= 35 \text{ L} + 14 \text{ ml}$$
$$= 35 \times 1000 + 14$$
$$= 35,000 + 14$$
$$= 35,014 \text{ ml Answer}$$

4. 25L + (100+20+0) ml =?

Solution

$$= 25\text{L} + (100+20+0) \text{ ml}$$
$$= 25\text{L} + 120 \text{ ml}$$
$$= 25 \times 1000 + 120$$
$$= 25,000 + 120$$
$$= 25,120 \text{ ml Answer}$$

5. 150L + (30+40+20) ml =?

Solution

$$= 150\text{L} + (30+40+20) \text{ ml}$$
$$= 150\text{L} + 90 \text{ ml}$$
$$= 150 \times 1000 + 90$$
$$= 150,000 + 90$$
$$= 150,090 \text{ ml Answer}$$

Exercise 5.4 (Page No. 63)

A. Subtract these:

1. 110 ml
2. 3 L
3. 10 L
4. 95 L
5. 97 L

6. 31 L
7. 380 ml
8. 307 L
9. 91 L
10. 191 L



Exercise 5.5 (Page No. 64)

A. Find the products of these sums

1. **7L 60ml \times 7 =?**

Solution

$$\begin{aligned} &= 7\text{L } 60\text{ml} \times 7 \\ &= (7 \times 1000 \text{ ml} + 60 \text{ ml}) \times 7 \\ &= (7,000 + 60) \times 7 \\ &= 7060 \times 7 \\ &= 49,420\text{ml or } 49\text{L } 420\text{ml Answer} \end{aligned}$$

2. **20L 320ml \times 5 =?**

Solution

$$\begin{aligned} &= 20\text{L } 320\text{ml} \times 5 \\ &= (20 \times 1000 \text{ ml} + 320 \text{ ml}) \times 5 \\ &= (20,000 + 320) \times 5 \\ &= 20,320 \times 5 \\ &= 101,600 \text{ or } 101\text{L } 600\text{ml Answer} \end{aligned}$$

3. **64L 408ml \times 3 =?**

Solution

$$\begin{aligned} &= 64\text{L } 408\text{ml} \times 3 \\ &= (64 \times 1000 \text{ ml} + 408 \text{ ml}) \times 3 \\ &= (64,000 + 408) \times 3 \\ &= 64,408 \times 3 \\ &= 193,224 \text{ or } 193\text{L } 224\text{ml Answer} \end{aligned}$$

4. **28L 105ml \times 2 =?**

Solution

$$\begin{aligned} &= 28\text{L } 105\text{ml} \times 2 \\ &= (28 \times 1000 \text{ ml} + 105 \text{ ml}) \times 2 \\ &= (28,000 + 105) \times 2 \\ &= 28,105 \times 2 \\ &= 56,210 \text{ ml or } 56\text{L } 210\text{ml Answer} \end{aligned}$$

5. **95L 862ml \times 4 =?**

Solution

$$\begin{aligned} &= 95\text{L } 862\text{ml} \times 4 \\ &= (95 \times 1000 \text{ ml} + 862 \text{ ml}) \times 4 \\ &= (95,000 + 862) \times 4 \\ &= 95,862 \times 4 \\ &= 383,448 \text{ ml or } 383\text{L } 448\text{ml Answer} \end{aligned}$$



Exercise 5.6 (Page No. 64)

A. Solve these sums

1. **8L 625ml \div 6 =?**

Solution

$$\begin{aligned} & 8\text{L } 625\text{ml} \div 6 \\ & = (8 \times 1000 \text{ ml} + 625 \text{ ml}) \div 6 \\ & = (8,000 + 625) \div 6 \\ & = 8,625 \div 6 \\ & = 1437.5\text{ml or } 1\text{L } 437.5\text{ml Answer} \end{aligned}$$

2. **9L 909ml \div 3 =?**

Solution

$$\begin{aligned} & 9\text{L } 909\text{ml} \div 3 \\ & = (9 \times 1000 \text{ ml} + 909 \text{ ml}) \div 3 \\ & = (9,000 + 909) \div 3 \\ & = 9,909 \div 3 \\ & = 3,303\text{ml or } 3\text{L } 303\text{ml Answer} \end{aligned}$$

3. **6L 842ml \div 2 =?**

Solution

$$\begin{aligned} & 6\text{L } 842\text{ml} \div 2 \\ & = (6 \times 1000 \text{ ml} + 842 \text{ ml}) \div 2 \\ & = (6,000 + 842) \div 2 \\ & = 6,842 \div 2 \\ & = 3,421\text{ml or } 3\text{L } 421\text{ml Answer} \end{aligned}$$

4. **7L 840ml \div 7 =?**

Solution

$$\begin{aligned} & 7\text{L } 840\text{ml} \div 7 \\ & = (7 \times 1000 \text{ ml} + 840 \text{ ml}) \div 7 \\ & = (7,000 + 840) \text{ ml} \div 7 \\ & = 7,840\text{ml} \div 7 \\ & = 1,120\text{ml or } 1\text{L } 120\text{ml Answer} \end{aligned}$$

5. **8L 440ml \div 4 =?**

Solution

$$\begin{aligned} & 8\text{L } 440\text{ml} \div 4 \\ & = (8 \times 1000 \text{ ml} + 440 \text{ ml}) \div 4 \\ & = (8,000 + 440) \text{ ml} \div 4 \\ & = 8,440\text{ml} \div 4 \\ & = 2,110\text{ml or } 2\text{L } 110\text{ml Answer} \end{aligned}$$



End of chapter exercises pg. no.65

1. $5 \times 550 = 2750\text{ml}$
2. $750 - 700 = 50 \text{ ml}$
3. $150 \times 20 = 3000\text{ml}$
4. $8200 - 5400 = 2800 \text{ L}$
5. $200 \times 4 = 800\text{ml}$
6. $60 + 8 = 68\text{L}$
7. $12 \times 8 = 96\text{L}$
8. $8 \div 6 = 1.3 \text{ L}$
9. $80 \times 10 = 800\text{ml}$
10. $725 \times 7 = 5075 \text{ ml}$

Chapter 6: Multiplication

Exercise 6.1 (Page No. 67 – 68)

A. Solve the following problems by multiplying two digit numbers with the single digit number.

$$\begin{array}{r} \text{T} \quad \text{O} \\ 2 \quad 3 \\ \times \quad 6 \\ \hline 1 \quad 3 \quad 8 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 5 \quad 8 \\ \times \quad 3 \\ \hline 1 \quad 7 \quad 4 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 4 \quad 1 \\ \times \quad 7 \\ \hline 2 \quad 8 \quad 7 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 5 \quad 7 \\ \times \quad 8 \\ \hline 4 \quad 5 \quad 6 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 1 \quad 3 \\ \times \quad 2 \\ \hline 2 \quad 6 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 4 \quad 7 \\ \times \quad 4 \\ \hline 1 \quad 8 \quad 8 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 1 \quad 4 \\ \times \quad 6 \\ \hline 8 \quad 4 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 3 \quad 5 \\ \times \quad 5 \\ \hline 1 \quad 7 \quad 5 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 3 \quad 9 \\ \times \quad 4 \\ \hline 1 \quad 5 \quad 6 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 2 \quad 2 \\ \times \quad 7 \\ \hline 1 \quad 5 \quad 4 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 7 \quad 0 \\ \times \quad 9 \\ \hline 6 \quad 3 \quad 0 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 5 \quad 4 \\ \times \quad 5 \\ \hline 2 \quad 7 \quad 0 \end{array}$$



B. Solve the following problems by multiplying the two-digit numbers.

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad \underline{3} \\
 \quad \quad \quad 3 \quad 4 \\
 \times \quad 1 \quad 8 \\
 \hline
 2 \quad 7 \quad 2 \\
 3 \quad 4 \quad \times \\
 \hline
 6 \quad 1 \quad 2
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 1 \\
 \quad \quad \quad \underline{5} \\
 \quad \quad \quad 6 \quad 8 \\
 \times \quad 2 \quad 7 \\
 \hline
 4 \quad 7 \quad 6 \\
 13 \quad 6 \quad \times \\
 \hline
 18 \quad 3 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 1 \quad 5 \\
 \times \quad 1 \quad 6 \\
 \hline
 9 \quad 0 \\
 1 \quad 5 \quad \times \\
 \hline
 2 \quad 4 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 2 \quad 2 \\
 \times \quad 3 \quad 5 \\
 \hline
 1 \quad 1 \quad 0 \\
 6 \quad 6 \quad \times \\
 \hline
 7 \quad 7 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 2 \quad 2 \\
 \times \quad 3 \quad 2 \\
 \hline
 4 \quad 4 \\
 6 \quad 6 \quad \times \\
 \hline
 7 \quad 0 \quad 4
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 5 \quad 4 \\
 \times \quad 1 \quad 5 \\
 \hline
 2 \quad 7 \quad 0 \\
 5 \quad 4 \quad \times \\
 \hline
 8 \quad 1 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 1 \quad 9 \\
 \times \quad 4 \quad 2 \\
 \hline
 3 \quad 8 \\
 7 \quad 6 \quad \times \\
 \hline
 7 \quad 9 \quad 8
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 5 \quad 5 \\
 \times \quad 1 \quad 6 \\
 \hline
 3 \quad 3 \quad 0 \\
 5 \quad 5 \quad \times \\
 \hline
 8 \quad 8 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 3 \quad 7 \\
 \times \quad 1 \quad 7 \\
 \hline
 2 \quad 5 \quad 9 \\
 3 \quad 7 \quad \times \\
 \hline
 6 \quad 2 \quad 9
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 7 \quad 8 \\
 \times \quad 1 \quad 2 \\
 \hline
 1 \quad 5 \quad 6 \\
 7 \quad 8 \quad \times \\
 \hline
 9 \quad 3 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 8 \quad 9 \\
 \times \quad 1 \quad 1 \\
 \hline
 8 \quad 9 \\
 8 \quad 9 \quad \times \\
 \hline
 9 \quad 7 \quad 9
 \end{array}$$

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 \quad \quad \quad 1 \quad 0 \\
 \times \quad 2 \quad 6 \\
 \hline
 6 \quad 0 \\
 2 \quad 0 \quad \times \\
 \hline
 2 \quad 6 \quad 0
 \end{array}$$

Exercise 6.2 (Page No. 69)

A. Find products, use converting and carrying where necessary

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \overset{3}{2} \quad \overset{2}{5} \\ \times \quad \quad \quad \quad 6 \\ \hline 1 \quad 5 \quad 2 \quad 4 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \overset{1}{3} \\ \times \quad \quad \quad \quad 2 \\ \hline 1 \quad 0 \quad 7 \quad 8 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \overset{5}{0} \\ \times \quad \quad \quad \quad 8 \\ \hline 4 \quad 8 \quad 5 \quad 6 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \quad \quad 2 \\ \times \quad \quad \quad \quad \quad \quad 3 \\ \hline 1 \quad 5 \quad 9 \quad 6 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \overset{5}{9} \quad \overset{3}{8} \\ \times \quad \quad \quad \quad \quad \quad 7 \\ \hline 6 \quad 8 \quad 9 \quad 5 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \quad \quad \overset{4}{8} \\ \times \quad \quad \quad \quad \quad \quad 5 \\ \hline 3 \quad 0 \quad 4 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \overset{3}{4} \quad \overset{3}{7} \\ \times \quad \quad \quad \quad \quad \quad 5 \\ \hline 2 \quad 3 \quad 8 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \overset{6}{5} \quad \overset{2}{7} \\ \times \quad \quad \quad \quad \quad \quad 9 \\ \hline 5 \quad 1 \quad 5 \quad 7 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \overset{1}{8} \quad \overset{3}{2} \\ \times \quad \quad \quad \quad \quad \quad 6 \\ \hline 4 \quad 9 \quad 5 \quad 6 \end{array}$$

Exercise 6.3 (Page No. 70 – 71)

A. Solve these sums with converting and carrying

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \quad \quad 1 \quad 1 \\ \times \quad \quad \quad \quad \quad \quad 2 \quad 3 \\ \hline 4 \quad 6 \quad 8 \quad \times \\ \hline 5 \quad 6 \quad 1 \quad 6 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \quad \quad 1 \quad 1 \\ \times \quad \quad \quad \quad \quad \quad 3 \quad 6 \\ \hline 1 \quad 0 \quad 9 \quad 5 \\ \hline 3 \quad 6 \quad 5 \quad \times \\ \hline 4 \quad 7 \quad 4 \quad 5 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \quad \quad 1 \quad 1 \\ \times \quad \quad \quad \quad \quad \quad 3 \quad 5 \\ \hline 1 \quad 0 \quad 5 \quad 6 \\ \hline 7 \quad 0 \quad 4 \quad \times \\ \hline 8 \quad 0 \quad 9 \quad 6 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \quad \quad 3 \quad 1 \\ \times \quad \quad \quad \quad \quad \quad 3 \quad 6 \\ \hline 1 \quad 8 \quad 1 \quad 0 \\ \hline 3 \quad 6 \quad 2 \quad \times \\ \hline 5 \quad 4 \quad 3 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \quad \quad 2 \quad 2 \\ \times \quad \quad \quad \quad \quad \quad 2 \quad 2 \\ \hline 1 \quad 7 \quad 9 \\ \hline \times \quad \quad \quad \quad \quad \quad 1 \quad 7 \\ \hline 5 \quad 3 \quad 7 \\ \hline 5 \quad 3 \quad 7 \quad \times \\ \hline 5 \quad 9 \quad 0 \quad 7 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \hline \quad \quad \quad \quad \quad \quad 1 \quad 1 \\ \times \quad \quad \quad \quad \quad \quad 3 \quad 4 \\ \hline 2 \quad 5 \quad 6 \\ \hline \times \quad \quad \quad \quad \quad \quad 2 \quad 5 \\ \hline 1 \quad 7 \quad 9 \quad 2 \\ \hline 5 \quad 1 \quad 2 \quad \times \\ \hline 6 \quad 9 \quad 1 \quad 2 \end{array}$$



$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad \quad 1 \\ \hline \quad \quad 2 \quad 4 \quad 3 \\ \times \quad \quad 3 \quad 1 \\ \hline \quad \quad 2 \quad 4 \quad 3 \\ 7 \quad 2 \quad 9 \quad \times \\ \hline 7 \quad 5 \quad 3 \quad 3 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad \quad 2 \\ \hline \quad \quad 6 \quad 8 \quad 2 \\ \times \quad \quad 1 \quad 3 \\ \hline \quad \quad 2 \quad 0 \quad 4 \quad 6 \\ 6 \quad 8 \quad 2 \quad \times \\ \hline 8 \quad 8 \quad 6 \quad 6 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad \quad 1 \quad 1 \\ \hline \quad \quad 5 \quad 6 \quad 8 \\ \times \quad \quad 1 \quad 2 \\ \hline \quad \quad 1 \quad 1 \quad 3 \quad 6 \\ 5 \quad 6 \quad 8 \quad \times \\ \hline 6 \quad 8 \quad 1 \quad 6 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad \quad 3 \quad 4 \\ \hline \quad \quad 4 \quad 5 \quad 7 \\ \times \quad \quad 1 \quad 6 \\ \hline \quad \quad 2 \quad 7 \quad 4 \quad 2 \\ 4 \quad 5 \quad 7 \quad \times \\ \hline 7 \quad 3 \quad 1 \quad 2 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad \quad 2 \quad 1 \\ \hline \quad \quad 5 \quad 2 \\ \quad \quad 1 \quad 7 \quad 4 \\ \times \quad \quad 3 \quad 7 \\ \hline \quad \quad 1 \quad 2 \quad 1 \quad 8 \\ 5 \quad 2 \quad 2 \quad \times \\ \hline 6 \quad 4 \quad 3 \quad 8 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad \quad 5 \quad 4 \quad 3 \\ \hline \quad \quad 5 \quad 4 \quad 3 \\ \times \quad \quad 1 \quad 2 \\ \hline \quad \quad 1 \quad 0 \quad 8 \quad 6 \\ 5 \quad 4 \quad 3 \quad \times \\ \hline 6 \quad 5 \quad 1 \quad 6 \end{array}$$

Exercise No. 6.4 (Page No. 73)

A. Find the product of 10 (Do the calculation in your note book)

1. 80
2. 840
3. 860
4. 6,990
5. 7,500
6. 16,080
7. 33,750
8. 8,100
9. 7,320
10. 7,800
11. 9,500
12. 8,880
13. 8,300
14. 8,880
15. 3,120
16. 1,260
17. 2,970
18. 900
19. 7,000
20. 19,530
21. 36,720
22. 11,400
23. 8,850
24. 21,360

Exercise 6.5 (Page No. 75)

1. 300
2. 400
3. 1,600
4. 3,500
5. 2,800
6. 1,700
7. 4,500
8. 7,400
9. 3,200
10. 4,100
11. 9,500
12. 7,300
13. 9,000
14. 1,000
15. 6,400
16. 9,100
17. 500
18. 1,100
19. 400
20. 9,300



Exercises 6.6 (Page No. 76)

A. Solve these sums:

- | | |
|------------|-------------|
| 1. 98,000 | 6. 381,000 |
| 2. 100,000 | 7. 44,000 |
| 3. 64,000 | 8. 967,000 |
| 4. 12,000 | 9. 255,000 |
| 5. 965,000 | 10. 508,000 |

B. Now complete these blanks

- | | |
|----------|--------|
| 1. 1,000 | 5. 127 |
| 2. 99 | 6. 509 |
| 3. 1,000 | 7. 220 |
| 4. 782 | 8. 663 |

End of Chapter Exercises (Page No. 77 – 79)

A. Solve these words problems in your note book, showing the working.

- a. A. $3 \times 30 = 90$ Tonnes
B. $2 \times 21 = 42$ Tonnes
- b. Father will give: $5 \times 30 \times 3 = 450$ and she already had 300 so $450 + 300 = 750$ stickers in total
- c. $24 \times 5 = 120$
- d. $80 \times 32 = 2560$
- e. $25 \times 15 = 375$
- f. As we know that 1 dozen means 12, so 2 dozen = $2 \times 12 = 24$, so then
 $24 \times 50 = 1200$
- g. $72 \div 6 = 12$
- h. $24 \div 3 = 8$
- i. $6 \times 4 = 24$ slices altogether. 24 slices divided by 8 friends, means, $24 \div 8 = 3$
it means that each friend will get 3 slices of Pizza
- j. $44 \times 12 = 528$
- k. $19 \times 35 = 665$
- l. $58 \times 50 = 2900$

B. Fill in the blanks: (Page No. 78)

- | | |
|------|-------|
| 1. 9 | 5. 9 |
| 2. 6 | 6. 5 |
| 3. 7 | 7. 10 |
| 4. 4 | 8. 4 |



9. 100

10. 600

11. 80

12. 60

13. 20

14. 20

15. 200

16. 70

17. 100

18. 60

19. 80

20. 30

21. 120

22. 50

23. 120

24. 40

C. Choose the correct answer: (Page No.79)

1. C

2. D

3. B

4. C

5. B

6. B

7. A

8. C

Chapter 7: Division of Whole Numbers

Exercise 7.1 (Page No. 83)

A. Divide the following 2-digit numbers by the 1-digit number:

a.

$$\begin{array}{r} 2 \overline{) 38} \quad 19 \\ - 2 \downarrow \\ \hline 18 \\ - 18 \\ \hline 00 \end{array}$$

Answer: $38 \div 2 = 19 \text{ r } 0$

The quotient is 19 and the remainder is 0

b.

$$\begin{array}{r} 3 \overline{) 99} \quad 33 \\ - 9 \downarrow \\ \hline 09 \\ - 9 \\ \hline 0 \end{array}$$

Answer: $99 \div 3 = 33 \text{ r } 0$

The quotient is 33 and the remainder is 0



c.

$$\begin{array}{r} 6 \overline{) 30} \quad 5 \\ - 30 \\ \hline 00 \end{array}$$

Answer: $30 \div 6 = 5 \text{ r } 0$

The quotient is 5 and the remainder is 0

d.

$$\begin{array}{r} 8 \overline{) 56} \quad 7 \\ - 56 \\ \hline 00 \end{array}$$

Answer: $56 \div 8 = 7 \text{ r } 0$

The quotient is 7 and the remainder is 0

e.

$$\begin{array}{r} 4 \overline{) 52} \quad 13 \\ - 4\downarrow \\ \hline 12 \\ - 12 \\ \hline 00 \end{array}$$

Answer: $52 \div 4 = 13 \text{ r } 0$

The quotient is 13 and the remainder is 0

f.

$$\begin{array}{r} 7 \overline{) 84} \quad 12 \\ - 7\downarrow \\ \hline 14 \\ - 14 \\ \hline 00 \end{array}$$

Answer: $84 \div 7 = 12 \text{ r } 0$

The quotient is 12 and the remainder is 0

g.

$$\begin{array}{r} 9 \overline{) 72} \quad 8 \\ - 72 \\ \hline 00 \end{array}$$

Answer: $72 \div 9 = 8 \text{ r } 0$

The quotient is 8 and the remainder is 0



h.

$$\begin{array}{r} 5 \overline{) 47} \quad 9 \\ - 45 \\ \hline 02 \end{array}$$

Answer: $47 \div 5 = 9 \text{ r } 2$

The quotient is 9 and the remainder is 2

i.

$$\begin{array}{r} 6 \overline{) 78} \quad 13 \\ - 6\downarrow \\ \hline 18 \\ - 18 \\ \hline 00 \end{array}$$

Answer: $78 \div 6 = 13 \text{ r } 0$

The quotient is 13 and the remainder is 0

j.

$$\begin{array}{r} 3 \overline{) 75} \quad 25 \\ - 6\downarrow \\ \hline 15 \\ - 15 \\ \hline 00 \end{array}$$

Answer: $75 \div 3 = 25 \text{ r } 0$

The quotient is 25 and the remainder is 0

k.

$$\begin{array}{r} 8 \overline{) 96} \quad 12 \\ - 8\downarrow \\ \hline 16 \\ - 16 \\ \hline 00 \end{array}$$

Answer: $96 \div 8 = 12 \text{ r } 0$

The quotient is 12 and the remainder is 0

l.

$$\begin{array}{r} 7 \overline{) 64} \quad 9 \\ - 63 \\ \hline 01 \end{array}$$

Answer: $64 \div 7 = 9 \text{ r } 01$

The quotient is 9 and the remainder is 01



B. Divide the following 3-digit numbers by the 1-digit numbers.

a.

$$\begin{array}{r} 5 \overline{) 355} \quad 71 \\ - 35 \downarrow \\ \hline 005 \\ - 5 \\ \hline 0 \end{array}$$

Answer: $355 \div 5 = 71 \text{ r } 0$

The quotient is 71 and the remainder is 0

b.

$$\begin{array}{r} 2 \overline{) 610} \quad 305 \\ - 60 \downarrow \\ \hline 010 \\ - 10 \\ \hline 00 \end{array}$$

Answer: $610 \div 2 = 305 \text{ r } 0$

The quotient is 305 and the remainder is 0

c.

$$\begin{array}{r} 3 \overline{) 999} \quad 333 \\ - 9 \downarrow \downarrow \\ \hline 09 \downarrow \\ - 9 \downarrow \\ \hline 009 \\ 9 \\ \hline 0 \end{array}$$

Answer: $999 \div 3 = 333 \text{ r } 0$

The quotient is 333 and the remainder is 0

d.

$$\begin{array}{r} 4 \overline{) 824} \quad 206 \\ - 8 \downarrow \downarrow \\ \hline 024 \\ - 24 \\ \hline 00 \end{array}$$

Answer: $824 \div 4 = 206 \text{ r } 0$

The quotient is 206 and the remainder is 0



e.

$$\begin{array}{r} 7 \overline{) 735} \quad 105 \\ - 7 \downarrow \downarrow \\ \hline 035 \\ - 35 \\ \hline 00 \end{array}$$

Answer: $735 \div 7 = 105 \text{ r } 0$

The quotient is 105 and the remainder is 0

f.

$$\begin{array}{r} 9 \overline{) 189} \quad 21 \\ - 18 \downarrow \\ \hline 009 \\ - 9 \\ \hline 0 \end{array}$$

Answer: $189 \div 9 = 21 \text{ r } 0$

The quotient is 21 and the remainder is 0

g.

$$\begin{array}{r} 6 \overline{) 654} \quad 109 \\ - 6 \downarrow \downarrow \\ \hline 054 \\ - 54 \\ \hline 00 \end{array}$$

Answer: $654 \div 6 = 109 \text{ r } 0$

The quotient is 109 and the remainder is 0

h.

$$\begin{array}{r} 7 \overline{) 147} \quad 21 \\ - 14 \downarrow \\ \hline 007 \\ - 7 \\ \hline 0 \end{array}$$

Answer: $147 \div 7 = 21 \text{ r } 0$

The quotient is 21 and the remainder is 0



i.

$$\begin{array}{r} 6 \overline{) 416} \quad 69 \\ - 36 \downarrow \\ \hline 056 \\ - 54 \\ \hline 02 \end{array}$$

Answer: $416 \div 6 = 69 \text{ r } 2$

The quotient is 69 and the remainder is 2

j.

$$\begin{array}{r} 3 \overline{) 110} \quad 36 \\ - 09 \downarrow \\ \hline 020 \\ - 18 \\ \hline 02 \end{array}$$

Answer: $110 \div 3 = 36 \text{ r } 2$

The quotient is 36 and the remainder is 2

k.

$$\begin{array}{r} 4 \overline{) 283} \quad 70 \\ - 28 \downarrow \\ \hline 003 \end{array}$$

Answer: $283 \div 4 = 70 \text{ r } 3$

The quotient is 70 and the remainder is 3

l.

$$\begin{array}{r} 8 \overline{) 262} \quad 32 \\ - 24 \downarrow \\ \hline 022 \\ - 16 \\ \hline 06 \end{array}$$

Answer: $262 \div 8 = 32 \text{ r } 6$

The quotient is 32 and the remainder is 6



C. Solve these sums and find out if remainder is left.

a.

$$\begin{array}{r} 2 \overline{) 19} 9 \\ - 18 \\ \hline 01 \end{array}$$

Answer: $19 \div 2 = 9 \text{ r } 1$

The quotient is 9 and the remainder is 1

b.

$$\begin{array}{r} 3 \overline{) 22} 7 \\ - 21 \\ \hline 01 \end{array}$$

Answer: $22 \div 3 = 7 \text{ r } 1$

The quotient is 7 and the remainder is 1

c.

$$\begin{array}{r} 6 \overline{) 29} 4 \\ - 24 \\ \hline 05 \end{array}$$

Answer: $29 \div 6 = 4 \text{ r } 5$

The quotient is 4 and the remainder is 5

d.

$$\begin{array}{r} 8 \overline{) 42} 5 \\ - 40 \\ \hline 02 \end{array}$$

Answer: $42 \div 8 = 5 \text{ r } 2$

The quotient is 5 and the remainder is 2

e.

$$\begin{array}{r} 7 \overline{) 27} 3 \\ - 21 \\ \hline 06 \end{array}$$

Answer: $27 \div 7 = 3 \text{ r } 6$

The quotient is 3 and the remainder is 6



f.

$$\begin{array}{r} 5 \overline{) 48} 9 \\ - 45 \\ \hline 03 \end{array}$$

Answer: $48 \div 5 = 9 \text{ r } 3$

The quotient is 9 and the remainder is 3

g.

$$\begin{array}{r} 9 \overline{) 66} 7 \\ - 63 \\ \hline 03 \end{array}$$

Answer: $66 \div 9 = 7 \text{ r } 3$

The quotient is 7 and the remainder is 3

h.

$$\begin{array}{r} 4 \overline{) 33} 8 \\ - 32 \\ \hline 01 \end{array}$$

Answer: $33 \div 4 = 8 \text{ r } 1$

The quotient is 8 and the remainder is 1

i.

$$\begin{array}{r} 7 \overline{) 67} 9 \\ - 63 \\ \hline 04 \end{array}$$

Answer: $67 \div 7 = 9 \text{ r } 4$

The quotient is 9 and the remainder is 4

j.

$$\begin{array}{r} 3 \overline{) 75} 25 \\ - 6\downarrow \\ \hline 15 \\ - 15 \\ \hline 00 \end{array}$$

Answer: $75 \div 3 = 25 \text{ r } 0$

The quotient is 25 and the remainder is 0



k.

$$\begin{array}{r} 4 \overline{) 26} 6 \\ - 24 \\ \hline 02 \end{array}$$

Answer: $26 \div 4 = 6 \text{ r } 2$

The quotient is 6 and the remainder is 2

l.

$$\begin{array}{r} 5 \overline{) 35} 7 \\ - 35 \\ \hline 00 \end{array}$$

Answer: $35 \div 5 = 7 \text{ r } 0$

The quotient is 7 and the remainder is 0

Exercise 7.2 (Page No. 87)

A. Solve these sums in your note book (converting thousands).

1. $8426 \div 2$

$$\begin{array}{r} 2 \overline{) 8426} 4213 \\ - 8 \downarrow \downarrow \downarrow \\ \hline 04 \downarrow \downarrow \\ - 4 \downarrow \downarrow \\ \hline 02 \downarrow \\ - 2 \downarrow \\ \hline 06 \\ - 6 \\ \hline 0 \end{array}$$

Answer: $8426 \div 2 = 4213 \text{ r } 0$

The quotient is 4213 and the remainder is 0

2. $2016 \div 4$

$$\begin{array}{r} 4 \overline{) 2016} 504 \\ - 20 \downarrow \downarrow \\ \hline 0016 \\ - 16 \\ \hline 00 \end{array}$$

Answer: $2016 \div 4 = 504 \text{ r } 0$

The quotient is 504 and the remainder is 0



3. 8080 ÷ 5

$$\begin{array}{r} 5 \overline{) 8080} \quad 1616 \\ - 5 \downarrow \downarrow \downarrow \\ \hline 30 \downarrow \downarrow \\ - 30 \downarrow \downarrow \\ \hline 008 \downarrow \\ - 5 \downarrow \\ \hline 30 \\ - 30 \\ \hline 00 \end{array}$$

Answer: $8080 \div 5 = 1616 \text{ r } 0$
The quotient is 1616 and the remainder is 0

4. 3042 ÷ 6

$$\begin{array}{r} 6 \overline{) 3042} \quad 507 \\ - 30 \downarrow \downarrow \\ \hline 0042 \\ - 42 \\ \hline 00 \end{array}$$

Answer: $3042 \div 6 = 507 \text{ r } 0$
The quotient is 507 and the remainder is 0

5. 5164 ÷ 2

$$\begin{array}{r} 2 \overline{) 5164} \quad 2582 \\ - 4 \downarrow \downarrow \downarrow \\ \hline 11 \downarrow \downarrow \\ - 10 \downarrow \downarrow \\ \hline 016 \downarrow \\ - 16 \downarrow \\ \hline 004 \\ - 4 \\ \hline 0 \end{array}$$

Answer: $5164 \div 2 = 2582 \text{ r } 0$
The quotient is 2582 and the remainder is 0



6. 5164 ÷ 2

$$\begin{array}{r} 2 \overline{) 5164} \quad 2582 \\ - 4 \downarrow \downarrow \downarrow \\ \hline 11 \downarrow \downarrow \\ - 10 \downarrow \downarrow \\ \hline 016 \downarrow \\ - 16 \downarrow \\ \hline 004 \\ - 4 \\ \hline 0 \end{array}$$

Answer: $5164 \div 2 = 2582 \text{ r } 0$
The quotient is 5164 and the remainder is 0

7. 5725 ÷ 5

$$\begin{array}{r} 5 \overline{) 5725} \quad 1145 \\ - 5 \downarrow \downarrow \downarrow \\ \hline 07 \downarrow \downarrow \\ - 5 \downarrow \downarrow \\ \hline 22 \downarrow \\ - 20 \downarrow \\ \hline 025 \\ - 25 \\ \hline 00 \end{array}$$

Answer: $5725 \div 5 = 1145 \text{ r } 0$
The quotient is 1145 and the remainder is 0

8. 8736 ÷ 4

$$\begin{array}{r} 4 \overline{) 8736} \quad 2184 \\ - 8 \downarrow \downarrow \downarrow \\ \hline 07 \downarrow \downarrow \\ - 4 \downarrow \downarrow \\ \hline 33 \downarrow \\ - 32 \downarrow \\ \hline 016 \\ - 16 \\ \hline 00 \end{array}$$

Answer: $8736 \div 4 = 2184 \text{ r } 0$
The quotient is 2184 and the remainder is 0



B. Solve these sums in your note book

1. $8579 \div 6$

$$\begin{array}{r} 6 \overline{) 8579} \quad 1429 \\ - 6 \downarrow \downarrow \downarrow \\ \hline 25 \downarrow \downarrow \\ - 24 \downarrow \downarrow \\ \hline 017 \downarrow \\ - 12 \downarrow \\ \hline 059 \\ - 54 \\ \hline 05 \end{array}$$

Answer: $8579 \div 6 = 1429 \text{ r } 5$

The quotient is 1429 and the remainder is 5

2. $9475 \div 3$

$$\begin{array}{r} 3 \overline{) 9475} \quad 3158 \\ - 9 \downarrow \downarrow \downarrow \\ \hline 04 \downarrow \downarrow \\ 3 \downarrow \downarrow \\ \hline 17 \downarrow \\ 15 \downarrow \\ \hline 025 \\ 24 \\ \hline 01 \end{array}$$

Answer: $9475 \div 3 = 3158 \text{ r } 1$

The quotient is 3158 and the remainder is 1

3. $2256 \div 7$

$$\begin{array}{r} 7 \overline{) 2256} \quad 322 \\ - 21 \downarrow \downarrow \\ \hline 015 \downarrow \\ - 14 \downarrow \\ \hline 016 \\ - 14 \\ \hline 02 \end{array}$$

Answer: $2256 \div 7 = 322 \text{ r } 2$

The quotient is 322 and the remainder is 2



4. 9099 ÷ 3

$$\begin{array}{r} 3 \overline{) 9099} \quad 3033 \\ - 9 \downarrow \downarrow \\ \hline 009 \downarrow \\ - 9 \downarrow \\ \hline 09 \\ - 9 \\ \hline 0 \end{array}$$

Answer: $9099 \div 3 = 3033 \text{ r } 0$
The quotient is 3033 and the remainder is 0

5. 8790 ÷ 2

$$\begin{array}{r} 2 \overline{) 8790} \quad 4395 \\ - 8 \downarrow \downarrow \downarrow \\ \hline 07 \downarrow \downarrow \\ - 6 \downarrow \downarrow \\ \hline 19 \downarrow \\ - 18 \downarrow \\ \hline 010 \\ - 10 \\ \hline 00 \end{array}$$

Answer: $8790 \div 2 = 4395 \text{ r } 0$
The quotient is 4395 and the remainder is 0

6. 8000 ÷ 4

$$\begin{array}{r} 4 \overline{) 8000} \quad 2000 \\ - 8 \downarrow \downarrow \downarrow \\ \hline \times 0 \downarrow \downarrow \\ - 0 \downarrow \downarrow \\ \hline \times 0 \downarrow \\ - 0 \downarrow \\ \hline \times 0 \\ - 0 \\ \hline \times \end{array}$$

Answer: $8000 \div 4 = 2000 \text{ r } 0$
The quotient is 2000 and the remainder is 0



7. 6060 ÷ 10

$$\begin{array}{r} 10 \overline{) 6060} \quad 606 \\ - 60 \downarrow \downarrow \\ \hline 0060 \\ - 60 \\ \hline 00 \end{array}$$

Answer: $6060 \div 10 = 606 \text{ r } 0$

The quotient is 606 and the remainder is 0

8. 2895 ÷ 9

$$\begin{array}{r} 9 \overline{) 2895} \quad 321 \\ - 27 \downarrow \downarrow \\ \hline 019 \downarrow \\ - 18 \downarrow \\ \hline 015 \\ - 9 \\ \hline 6 \end{array}$$

Answer: $2895 \div 9 = 321 \text{ r } 6$

The quotient is 321 and the remainder is 6

Exercise 7.3 (Page No. 87)

A. Divide these sums in your note book (Converting hundreds)

1. 666 ÷ 6

$$\begin{array}{r} 6 \overline{) 666} \quad 111 \\ - 6 \downarrow \downarrow \\ \hline 06 \downarrow \\ - 6 \downarrow \\ \hline 06 \\ - 6 \\ \hline 0 \end{array}$$

Answer: $666 \div 6 = 111 \text{ r } 0$

The quotient is 111 and the remainder is 0

2. 939 ÷ 3

$$\begin{array}{r} 3 \overline{) 939} \quad 313 \\ - 9 \downarrow \downarrow \\ \hline 03 \downarrow \\ - 3 \downarrow \\ \hline 09 \\ - 9 \\ \hline 0 \end{array}$$



Answer: $939 \div 3 = 313 \text{ r } 0$

The quotient is 313 and the remainder is 0

3. $567 \div 7$

$$\begin{array}{r} 7 \overline{) 567} \quad 81 \\ - 56\downarrow \\ \hline 007 \\ - 7 \\ \hline 0 \end{array}$$

Answer: $567 \div 7 = 81 \text{ r } 0$

The quotient is 81 and the remainder is 0

4. $545 \div 5$

$$\begin{array}{r} 5 \overline{) 545} \quad 109 \\ - 5\downarrow\downarrow \\ \hline 045 \\ - 45 \\ \hline 00 \end{array}$$

Answer: $545 \div 5 = 109 \text{ r } 0$

The quotient is 109 and the remainder is 0

5. $864 \div 8$

$$\begin{array}{r} 8 \overline{) 864} \quad 108 \\ - 8\downarrow\downarrow \\ \hline 064 \\ - 64 \\ \hline 00 \end{array}$$

Answer: $864 \div 8 = 108 \text{ r } 0$

The quotient is 108 and the remainder is 0

6. $468 \div 2$

$$\begin{array}{r} 2 \overline{) 468} \quad 234 \\ - 4\downarrow\downarrow \\ \hline 06\downarrow \\ - 6\downarrow \\ \hline 08 \\ - 8 \\ \hline 0 \end{array}$$

Answer: $468 \div 2 = 234 \text{ r } 0$

The quotient is 234 and the remainder is 0



7. $732 \div 7$

$$\begin{array}{r} 7 \overline{) 732} \quad 104 \\ - 7 \downarrow \downarrow \\ \hline 032 \\ - 28 \\ \hline 04 \end{array}$$

Answer: $732 \div 7 = 104 \text{ r } 4$

The quotient is 104 and the remainder is 4

8. $972 \div 9$

$$\begin{array}{r} 9 \overline{) 972} \quad 108 \\ - 9 \downarrow \downarrow \\ \hline 072 \\ - 72 \\ \hline 00 \end{array}$$

Answer: $972 \div 9 = 108 \text{ r } 0$

The quotient is 108 and the remainder is 0

B. Solve these sums in your note book

1. $418 \div 3$

$$\begin{array}{r} 3 \overline{) 418} \quad 139 \\ - 3 \downarrow \downarrow \\ \hline 11 \downarrow \\ - 09 \downarrow \\ \hline 028 \\ - 27 \\ \hline 01 \end{array}$$

Answer: $418 \div 3 = 139 \text{ r } 1$

The quotient is 139 and the remainder is 1

2. $977 \div 2$

$$\begin{array}{r} 2 \overline{) 977} \quad 488 \\ - 8 \downarrow \downarrow \\ \hline 17 \downarrow \\ - 16 \downarrow \\ \hline 017 \\ - 16 \\ \hline 1 \end{array}$$

Answer: $977 \div 2 = 488 \text{ r } 1$

The quotient is 488 and the remainder is 1



3. $862 \div 5$

$$\begin{array}{r} 5 \overline{) 862} \quad 172 \\ - 5 \downarrow \downarrow \\ \hline 36 \downarrow \\ - 35 \downarrow \\ \hline 12 \\ - 10 \\ \hline 2 \end{array}$$

Answer: $862 \div 5 = 172 \text{ r } 2$

The quotient is 172 and the remainder is 2

4. $757 \div 6$

$$\begin{array}{r} 6 \overline{) 757} \quad 126 \\ - 6 \downarrow \downarrow \\ \hline 15 \downarrow \\ - 12 \downarrow \\ \hline 037 \\ - 36 \\ \hline 1 \end{array}$$

Answer: $757 \div 6 = 126 \text{ r } 1$

The quotient is 126 and the remainder is 1

5. $427 \div 3$

$$\begin{array}{r} 3 \overline{) 427} \quad 142 \\ - 3 \downarrow \downarrow \\ \hline 12 \downarrow \\ - 12 \downarrow \\ \hline 007 \\ - 6 \\ \hline 1 \end{array}$$

Answer: $427 \div 3 = 142 \text{ r } 1$

The quotient is 142 and the remainder is 1

6. $839 \div 5$

$$\begin{array}{r} 5 \overline{) 839} \quad 167 \\ - 5 \downarrow \downarrow \\ \hline 33 \downarrow \\ - 30 \downarrow \\ \hline 039 \\ - 35 \\ \hline 4 \end{array}$$



Answer: $839 \div 5 = 167 \text{ r } 4$

The quotient is 167 and the remainder is 4

7. $827 \div 7$

$$\begin{array}{r} 7 \overline{) 827} \quad 118 \\ - 7 \downarrow \downarrow \\ \hline 12 \downarrow \\ - 07 \downarrow \\ \hline 057 \\ - 56 \\ \hline 1 \end{array}$$

Answer: $827 \div 7 = 118 \text{ r } 1$

The quotient is 118 and the remainder is 1

8. $199 \div 9$

$$\begin{array}{r} 9 \overline{) 199} \quad 22 \\ - 18 \downarrow \\ \hline 019 \\ - 18 \\ \hline 1 \end{array}$$

Answer: $199 \div 9 = 22 \text{ r } 1$

The quotient is 22 and the remainder is 1

Exercises 7.4 (Page No. 89)

A. Solve these division questions mentally.

- | | |
|------------------------|-------------------------|
| 1. $8 \text{ r } 0$ | 10. $8 \text{ r } 0$ |
| 2. $11 \text{ r } 0$ | 11. $15 \text{ r } 0$ |
| 3. $224 \text{ r } 0$ | 12. $111 \text{ r } 0$ |
| 4. $509 \text{ r } 0$ | 13. $4 \text{ r } 0$ |
| 5. $305 \text{ r } 0$ | 14. $333 \text{ r } 0$ |
| 6. $906 \text{ r } 0$ | 15. $101 \text{ r } 0$ |
| 7. $809 \text{ r } 0$ | 16. $1111 \text{ r } 0$ |
| 8. $111 \text{ r } 0$ | 17. $202 \text{ r } 0$ |
| 9. $1142 \text{ r } 0$ | 18. $1354 \text{ r } 0$ |



End of Chapter Exercises (Page No. 90 – 95)

A. Work out these division facts using multiplication tables. (Page No. 90)

1. 5 r 0
2. 9 r 0
3. 8 r 0
4. 9 r 0
5. 8 r 0
6. 4 r 0
7. 2 r 0
8. 4 r 0
9. 5 r 0
10. 9 r 0
11. 8 r 0
12. 4 r 0
13. 7 r 0
14. 7 r 0
15. 9 r 0
16. 10 r 0
17. 4 r 0
18. 8 r 0
19. 10 r 4
20. 10 r 0
21. 8 r 0
22. 10 r 0
- 23.

B. Solve these long division sums. (Page No. 91)

Top to Bottom

$$\begin{array}{r} 2 \overline{) 100} \quad 50 \\ - 10 \downarrow \\ \hline \text{xx}0 \\ - 0 \\ \hline \text{x} \end{array}$$

Answer: $100 \div 2 = 50 \text{ r } 0$

The quotient is 50 and the remainder is 0

$$\begin{array}{r} 5 \overline{) 405} \quad 81 \\ - 40 \downarrow \\ \hline 005 \\ - 5 \\ \hline 0 \end{array}$$

Answer: $405 \div 5 = 81 \text{ r } 0$

The quotient is 81 and the remainder is 0

$$\begin{array}{r} 6 \overline{) 327} \quad 54 \\ - 30 \downarrow \\ \hline 027 \\ - 24 \\ \hline 3 \end{array}$$



Answer: $327 \div 6 = 54 \text{ r } 3$

The quotient is 54 and the remainder is 3

$$\begin{array}{r} 9 \overline{) 583} \quad 64 \\ - 54 \downarrow \\ \hline 043 \\ - 36 \\ \hline 07 \end{array}$$

Answer: $583 \div 9 = 64 \text{ r } 7$

The quotient is 583 and the remainder is 7

$$\begin{array}{r} 3 \overline{) 997} \quad 332 \\ - 9 \downarrow \downarrow \\ \hline 09 \downarrow \\ - 9 \downarrow \\ \hline 07 \\ 6 \\ \hline 1 \end{array}$$

Answer: $997 \div 3 = 332 \text{ r } 1$

The quotient is 332 and the remainder is 1

$$\begin{array}{r} 6 \overline{) 327} \quad 54 \\ - 30 \downarrow \\ \hline 027 \\ - 24 \\ \hline 3 \end{array}$$

Answer: $327 \div 6 = 54 \text{ r } 3$

The quotient is 54 and the remainder is 3

$$\begin{array}{r} 9 \overline{) 583} \quad 64 \\ - 54 \downarrow \\ \hline 043 \\ - 36 \\ \hline 07 \end{array}$$

Answer: $583 \div 9 = 64 \text{ r } 7$

The quotient is 583 and the remainder is 7

$$\begin{array}{r} 3 \overline{) 996} \quad 332 \\ - 9 \downarrow \downarrow \\ \hline 09 \downarrow \\ - 9 \downarrow \\ \hline \end{array}$$



$$\begin{array}{r} \text{---} \\ 06 \\ 6 \\ \text{---} \\ 0 \end{array}$$

Answer: $996 \div 3 = 332 \text{ r } 0$

The quotient is 332 and the remainder is 0

$$\begin{array}{r} 10 \overline{) 100} \quad 10 \\ - 100 \\ \text{---} \\ 000 \end{array}$$

Answer: $100 \div 10 = 10 \text{ r } 0$

The quotient is 10 and the remainder is 0

$$\begin{array}{r} 7 \overline{) 239} \quad 34 \\ - 21 \downarrow \\ \text{---} \\ 029 \\ - 28 \\ \text{---} \\ 1 \end{array}$$

Answer: $239 \div 7 = 34 \text{ r } 1$

The quotient is 34 and the remainder is 1

$$\begin{array}{r} 3 \overline{) 997} \quad 332 \\ - 9 \downarrow \downarrow \\ \text{---} \\ 09 \downarrow \\ - 9 \downarrow \\ \text{---} \\ 07 \\ 6 \\ \text{---} \\ 1 \end{array}$$

Answer: $997 \div 3 = 332 \text{ r } 1$

The quotient is 332 and the remainder is 1

$$\begin{array}{r} 10 \overline{) 100} \quad 10 \\ - 100 \\ \text{---} \\ 000 \end{array}$$

Answer: $100 \div 10 = 10 \text{ r } 0$

The quotient is 10 and the remainder is 0

$$\begin{array}{r} 7 \overline{) 239} \quad 34 \\ - 21 \downarrow \\ \text{---} \\ 029 \\ - 28 \\ \text{---} \\ 1 \end{array}$$

Answer: $239 \div 7 = 34 \text{ r } 1$

The quotient is 34 and the remainder is 1



$$\begin{array}{r} 11 \overline{) 110} \quad 10 \\ - 110 \\ \hline 000 \end{array}$$

Answer: $110 \div 11 = 10 \text{ r } 0$

The quotient is 10 and the remainder is 0

$$\begin{array}{r} 7 \overline{) 158} \quad 22 \\ - 14 \downarrow \\ \hline 018 \\ - 14 \\ \hline 4 \end{array}$$

Answer: $158 \div 7 = 22 \text{ r } 4$

The quotient is 22 and the remainder is 4

$$\begin{array}{r} 7 \overline{) 239} \quad 34 \\ - 21 \downarrow \\ \hline 029 \\ - 28 \\ \hline 1 \end{array}$$

Answer: $239 \div 7 = 34 \text{ r } 1$

The quotient is 34 and the remainder is 1

$$\begin{array}{r} 11 \overline{) 110} \quad 10 \\ - 110 \\ \hline 000 \end{array}$$

Answer: $110 \div 11 = 10 \text{ r } 0$

The quotient is 10 and the remainder is 0

$$\begin{array}{r} 7 \overline{) 158} \quad 22 \\ - 14 \downarrow \\ \hline 018 \\ - 14 \\ \hline 4 \end{array}$$

Answer: $158 \div 7 = 22 \text{ r } 4$

The quotient is 22 and the remainder is 4

$$\begin{array}{r} 2 \overline{) 100} \quad 50 \\ - 10 \downarrow \\ \hline \text{xx}0 \\ - 0 \\ \hline \text{x} \end{array}$$



Answer: $100 \div 2 = 50 \text{ r } 0$

The quotient is 50 and the remainder is 0

$$\begin{array}{r} 5 \overline{) 405} \quad 81 \\ - 40 \downarrow \\ \hline 005 \\ - 5 \\ \hline 0 \end{array}$$

Answer: $405 \div 5 = 81 \text{ r } 0$

The quotient is 81 and the remainder is 0

$$\begin{array}{r} 7 \overline{) 158} \quad 22 \\ - 14 \downarrow \\ \hline 018 \\ - 14 \\ \hline 4 \end{array}$$

Answer: $158 \div 7 = 22 \text{ r } 4$

The quotient is 22 and the remainder is 4

$$\begin{array}{r} 2 \overline{) 100} \quad 50 \\ - 10 \downarrow \\ \hline \times \times 0 \\ - 0 \\ \hline \times \end{array}$$

Answer: $100 \div 2 = 50 \text{ r } 0$

The quotient is 50 and the remainder is 0

$$\begin{array}{r} 5 \overline{) 405} \quad 81 \\ - 40 \downarrow \\ \hline 005 \\ - 5 \\ \hline 0 \end{array}$$

Answer: $405 \div 5 = 81 \text{ r } 0$

The quotient is 81 and the remainder is 0

$$\begin{array}{r} 6 \overline{) 327} \quad 54 \\ - 30 \downarrow \\ \hline 027 \\ - 24 \\ \hline 3 \end{array}$$

Answer: $327 \div 6 = 54 \text{ r } 3$

The quotient is 54 and the remainder is 3



$$\begin{array}{r} 10 \overline{) 100} \quad 10 \\ - 100 \\ \hline 000 \end{array}$$

Answer: $100 \div 10 = 10 \text{ r } 0$

The quotient is 10 and the remainder is 0

C. Solve these short divisions sums (Page No. 91)

$\begin{array}{r} 2 \overline{) 18} \quad 9 \\ - 18 \\ \hline 00 \end{array}$	$\begin{array}{r} 4 \overline{) 36} \quad 9 \\ - 36 \\ \hline 00 \end{array}$	$\begin{array}{r} 7 \overline{) 49} \quad 7 \\ - 49 \\ \hline 00 \end{array}$	$\begin{array}{r} 9 \overline{) 54} \quad 6 \\ - 54 \\ \hline 00 \end{array}$	$\begin{array}{r} 11 \overline{) 55} \quad 5 \\ - 55 \\ \hline 00 \end{array}$
$\begin{array}{r} 8 \overline{) 72} \quad 9 \\ - 72 \\ \hline 00 \end{array}$	$\begin{array}{r} 6 \overline{) 42} \quad 7 \\ - 42 \\ \hline 00 \end{array}$	$\begin{array}{r} 4 \overline{) 24} \quad 6 \\ - 24 \\ \hline 00 \end{array}$	$\begin{array}{r} 12 \overline{) 48} \quad 4 \\ - 48 \\ \hline 00 \end{array}$	$\begin{array}{r} 7 \overline{) 63} \quad 9 \\ - 63 \\ \hline 00 \end{array}$
$\begin{array}{r} 12 \overline{) 108} \quad 9 \\ - 108 \\ \hline 000 \end{array}$	$\begin{array}{r} 9 \overline{) 72} \quad 8 \\ - 72 \\ \hline 00 \end{array}$	$\begin{array}{r} 11 \overline{) 33} \quad 3 \\ - 33 \\ \hline 00 \end{array}$	$\begin{array}{r} 5 \overline{) 45} \quad 9 \\ - 45 \\ \hline 00 \end{array}$	$\begin{array}{r} 4 \overline{) 32} \quad 8 \\ - 32 \\ \hline 00 \end{array}$
$\begin{array}{r} 2 \overline{) 12} \quad 6 \\ - 12 \\ \hline 00 \end{array}$	$\begin{array}{r} 11 \overline{) 77} \quad 7 \\ - 77 \\ \hline 00 \end{array}$	$\begin{array}{r} 12 \overline{) 84} \quad 7 \\ - 84 \\ \hline 00 \end{array}$	$\begin{array}{r} 6 \overline{) 48} \quad 8 \\ - 48 \\ \hline 00 \end{array}$	$\begin{array}{r} 5 \overline{) 35} \quad 7 \\ - 35 \\ \hline 00 \end{array}$
$\begin{array}{r} 3 \overline{) 997} \quad 332 \\ - 9 \downarrow \downarrow \\ \hline 09 \downarrow \\ - 9 \downarrow \\ \hline 07 \\ - 6 \\ \hline 1 \end{array}$	$\begin{array}{r} 7 \overline{) 35} \quad 5 \\ - 35 \\ \hline 00 \end{array}$	$\begin{array}{r} 10 \overline{) 80} \quad 8 \\ - 80 \\ \hline 00 \end{array}$	$\begin{array}{r} 11 \overline{) 99} \quad 9 \\ - 99 \\ \hline 00 \end{array}$	$\begin{array}{r} 10 \overline{) 100} \quad 10 \\ - 100 \\ \hline 000 \end{array}$

D. Fill in the blanks with the help of multiplication tables of 9 to 12 (Page No. 92 – 93)

- | | |
|-----------|---------|
| 1. 8 | 16. 9 |
| 2. 60 | 17. 2 |
| 3. 1 | 18. 3 |
| 4. 3 | 19. 60 |
| 5. 18 | 20. 8 |
| 6. 40 | 21. 110 |
| 7. 9 | 22. 45 |
| 8. 6 | 23. 7 |
| 9. 2 | 24. 8 |
| 10. 4 | 25. 60 |
| 11. 6 | 26. 1 |
| 12. 10 | 27. 3 |
| 13. 7 | 28. 18 |
| 14. 5 r 6 | 29. 3 |
| 15. 10 | 30. 2 |

E. Solve the following problems (Word Problems) (Page No. 94 – 95)

- | | |
|-----------------------|-------------------------------------|
| 1. $336 \div 8 = 42$ | 11. $700 \div 10 = 70$ |
| 2. $192 \div 12 = 16$ | 12. $492 \div 12 = 41$ |
| 3. $287 \div 7 = 41$ | 13. $728 \div 8 = 91$ |
| 4. $27 \div 3 = 9$ | 14. $874 \div 2 = 437$ |
| 5. $35 \div 7 = 5$ | 15. $732 \div 12 = 61$ |
| 6. $280 \div 10 = 28$ | 16. $565 \div 5 = 113$ |
| 7. $64 \div 8 = 8$ | 17. $120 \div 12 = 10$ |
| 8. $12 \div 4 = 3$ | 18. $21 \times 3 = 63$ |
| 9. $756 \div 7 = 108$ | 19. $842 \div 6 = 140 \text{ r } 2$ |
| 10. $729 \div 9 = 81$ | 20. $999 \div 3 = 333$ |

Chapter 8: Money

Exercises 8.1 (Page No. 98)

A. Write the value of each currency note in the given space. Now add or subtract to calculate the total amount.

1. 1100
2. 1500
3. 1000
4. 5020



B. Give the answer of following questions.

1. 1000
2. 1
3. 650
4. 10
5. Rs.100 = Red and
Rs.50 = Purple/Pink
6. Rs. 10 = Green and
Rs. 1000 is Grey

Exercise 8.2 (Page No. 102)

A. Add the sums

1. Rs. 765
2. Rs. 2,875
3. Rs. 5,675
4. Rs. 1,056
5. Rs. 2,380
6. Rs. 11,545
7. Rs. 7,145
8. Rs. 8,225

Exercise 8.3 (Page No. 103)

A. Subtract the following

- | | |
|--------------|---------------|
| 1. Rs. 549 | 7. Rs. 1,800 |
| 2. Rs. 608 | 8. Rs. 100 |
| 3. Rs. 635 | 9. Rs. 6,950 |
| 4. Rs. 1,995 | 10. Rs. 500 |
| 5. Rs. 1,500 | 11. Rs. 6,600 |
| 6. Rs. 120 | 12. Rs. 5,100 |

Exercise 8.4 (Page No. 104)

A. Multiply these sums

- | | |
|-------------|--------------|
| 1. Rs. 3360 | 6. Rs. 61600 |
| 2. Rs. 1902 | 7. Rs. 9900 |
| 3. Rs. 4555 | 8. Rs. 6621 |
| 4. Rs. 144 | 9. Rs. 2622 |
| 5. Rs. 6210 | 10. Rs. 3500 |



Exercise 8.5 (Page No. 104)

A. Write in your book then divide these sums:

1.

$$\begin{array}{r} 2 \overline{) \text{Rs. 296}} \quad 148 \\ - \quad 2 \downarrow \downarrow \\ \hline \quad 09 \downarrow \\ - \quad 8 \downarrow \\ \hline \quad \quad 16 \\ - \quad \quad 16 \\ \hline \quad \quad \quad 00 \end{array}$$

Answer: Rs. 296 ÷ 2 = Rs. 148

2.

$$\begin{array}{r} 6 \overline{) \text{Rs. 1249}} \quad 208 \\ - \quad 12 \downarrow \downarrow \\ \hline \quad \quad 0049 \\ - \quad \quad \quad 48 \\ \hline \quad \quad \quad \quad 1 \end{array}$$

Answer: Rs. 1249 ÷ 6 = Rs. 208 r 1

3.

$$\begin{array}{r} 4 \overline{) \text{Rs. 4000}} \quad 1000 \\ - \quad 4000 \\ \hline \quad \quad \quad 0 \end{array}$$

Answer: Rs. 4000 ÷ 4 = Rs. 1000 r 0

4.

$$\begin{array}{r} 7 \overline{) \text{Rs. 6400}} \quad 914 \\ - \quad 63 \downarrow \downarrow \\ \hline \quad \quad 010 \downarrow \\ - \quad \quad \quad 7 \downarrow \\ \hline \quad \quad \quad \quad 30 \\ - \quad \quad \quad \quad 28 \\ \hline \quad \quad \quad \quad \quad 02 \end{array}$$

Answer: Rs. 6400 ÷ 7 = 914 r 2

5.

$$\begin{array}{r} 6 \overline{) \text{Rs. 3762}} \quad 627 \\ - \quad 36 \downarrow \downarrow \\ \hline \quad \quad 16 \downarrow \\ - \quad \quad \quad 12 \downarrow \\ \hline \end{array}$$



$$\begin{array}{r}
 \overline{) 42} \\
 - \underline{42} \\
 00
 \end{array}$$

Answer: $3762 \div 6 = 627 \text{ r } 0$

6.

$$\begin{array}{r}
 \overline{) \text{Rs. } 6555} \\
 - \phantom{\text{Rs. }} \underline{6\downarrow\downarrow\downarrow} \\
 \phantom{\text{Rs. }} 05\downarrow\downarrow \\
 - \phantom{\text{Rs. }} \underline{4\downarrow\downarrow} \\
 \phantom{\text{Rs. }} 15\downarrow \\
 - \phantom{\text{Rs. }} \underline{14\downarrow} \\
 \phantom{\text{Rs. }} 15 \\
 - \phantom{\text{Rs. }} \underline{14} \\
 \phantom{\text{Rs. }} 1
 \end{array}$$

Answer: $\text{Rs. } 6555 \div 2 = 3277 \text{ r } 1$

7.

$$\begin{array}{r}
 \overline{) \text{Rs. } 9900} \\
 - \phantom{\text{Rs. }} \underline{90\downarrow\downarrow} \\
 \phantom{\text{Rs. }} 90\downarrow \\
 - \phantom{\text{Rs. }} \underline{90\downarrow} \\
 \phantom{\text{Rs. }} \times 0 \\
 \phantom{\text{Rs. }} 0 \\
 - \phantom{\text{Rs. }} \underline{0} \\
 \phantom{\text{Rs. }} \times \\
 \phantom{\text{Rs. }} 0
 \end{array}$$

Answer: $9900 \div 10 = 990 \text{ r } 0$

8.

$$\begin{array}{r}
 \overline{) \text{Rs. } 7200} \\
 - \phantom{\text{Rs. }} \underline{70\downarrow\downarrow} \\
 \phantom{\text{Rs. }} 20\downarrow \\
 - \phantom{\text{Rs. }} \underline{20\downarrow} \\
 \phantom{\text{Rs. }} \times 0 \\
 \phantom{\text{Rs. }} 0 \\
 - \phantom{\text{Rs. }} \underline{0} \\
 \phantom{\text{Rs. }} \times \\
 \phantom{\text{Rs. }} 0
 \end{array}$$

Answer: $7200 \div 10 = 720$



End of Chapter Exercises (Page No. 105)

1. Amir spent Rs. $100+55+40 =$ Rs. 195 out of Rs. 500. $500 - 195 = 305$. He was left with Rs. 305.
2. Rs. $5000 -$ Rs. 3050 = Rs. 1950
3. Rs. $45 \times 5 =$ Rs. 225
4. Rs. $35.42 \times 12 =$ Rs. 425.04
5. $45 \times 16 =$ 720 packets
6. Rs. $230 \times 7 =$ Rs. 1610
7. Rs. 2235 + Rs. 1400 = Rs. 3635
8. Rs. $62 \times 3 =$ Rs. 186
9. Rs 8000 – Rs. 4200 = Rs. 3800
10. Rs. $13520 \div 7 =$ Rs. 1931 r Rs. 3

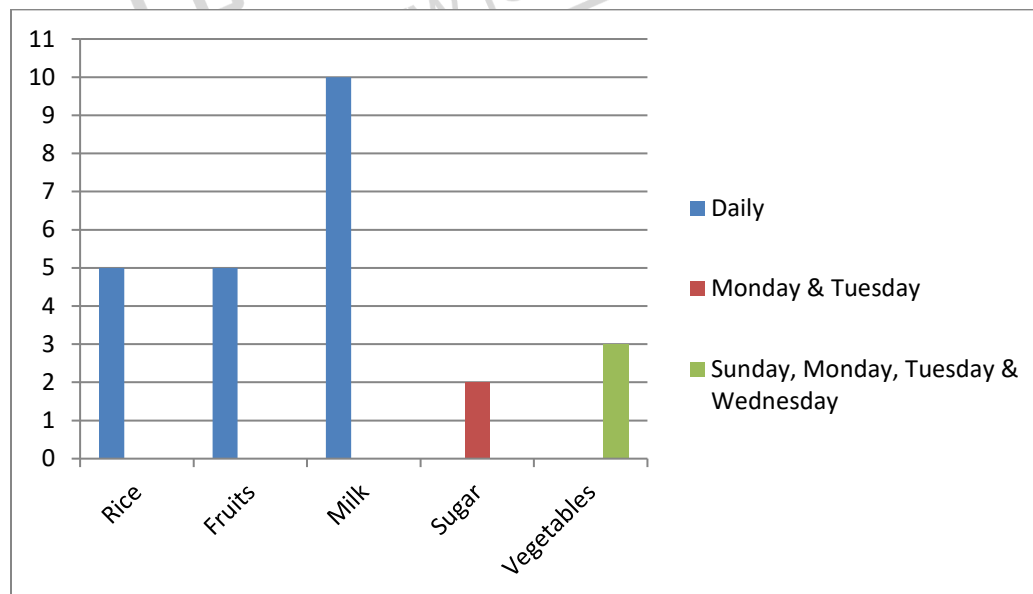
(we can say that six books cost Rs. 1,931 each and one book costs Rs. 1,934)

Chapter 9: Data Handling

Exercise 9.1 (Page No. 111)

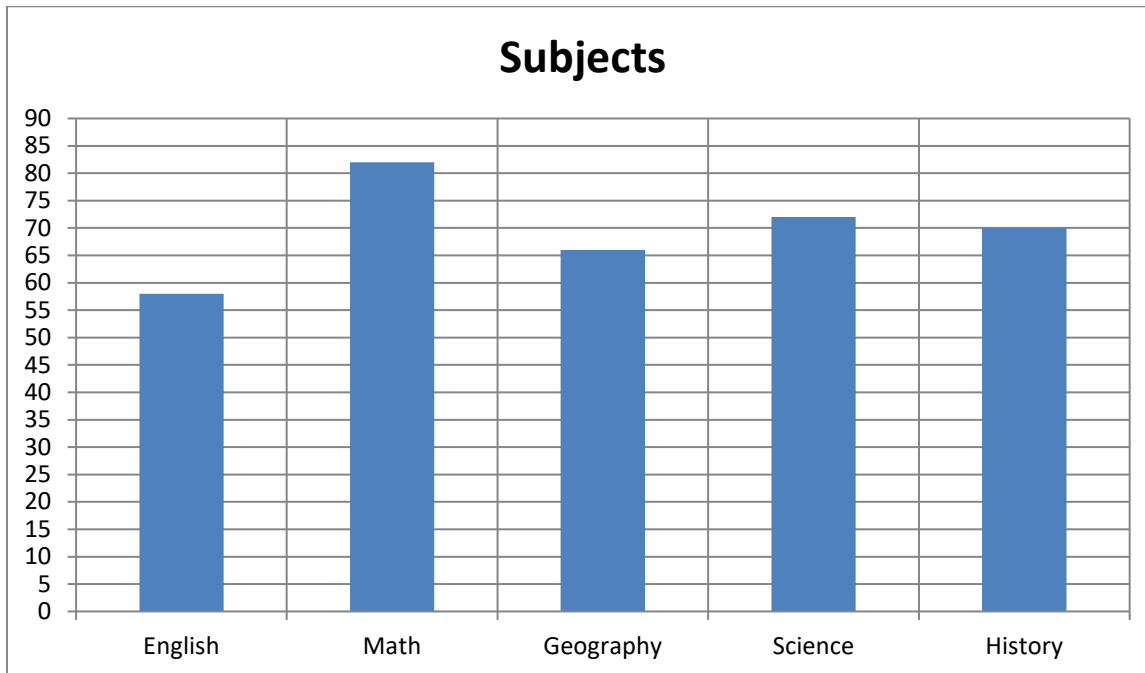
Draw a bar graph of different items a shopkeeper sold in a week. The number of each item sold is shown below:

Rice	Fruits	Milk	Sugar	Vegetables
5 kg	5 kg	10 kg	2 kg	3 kg
Daily	Daily	Daily	Monday Tuesday	Sunday, Monday, Tuesday, Wednesday



- A. Draw a bar graph from this information:**
 The marks of the student in different subjects are given below.

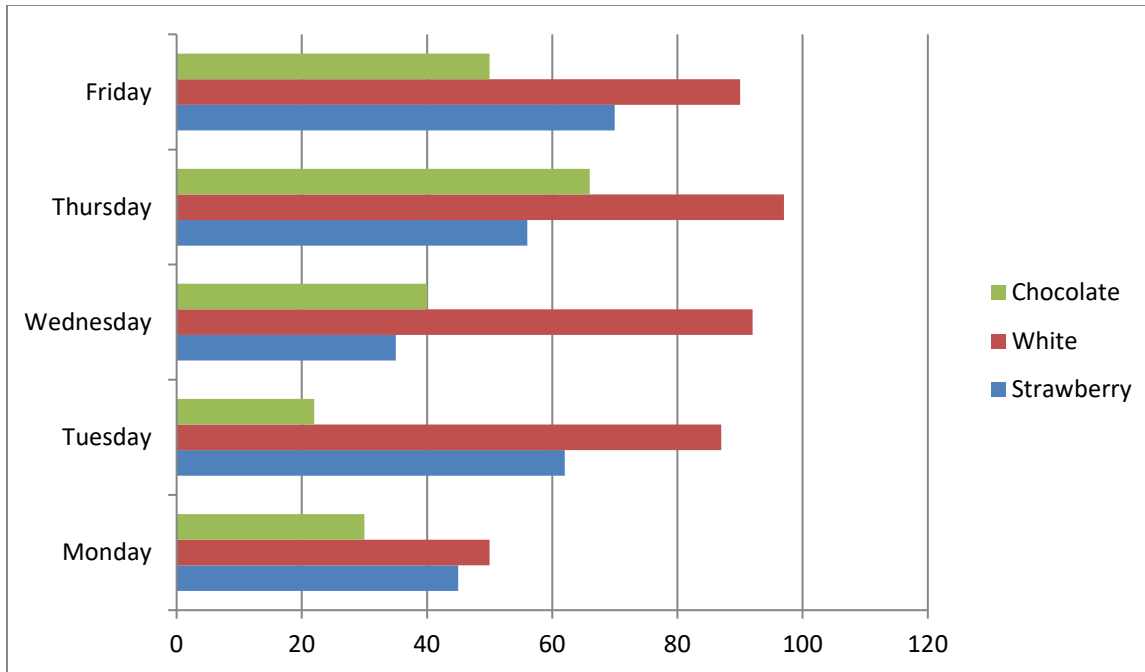
Subjects	Marks
English	58
Math	82
Geography	66
Science	72
History	70



Exercise 9.2 (Page No. 112 – 113)

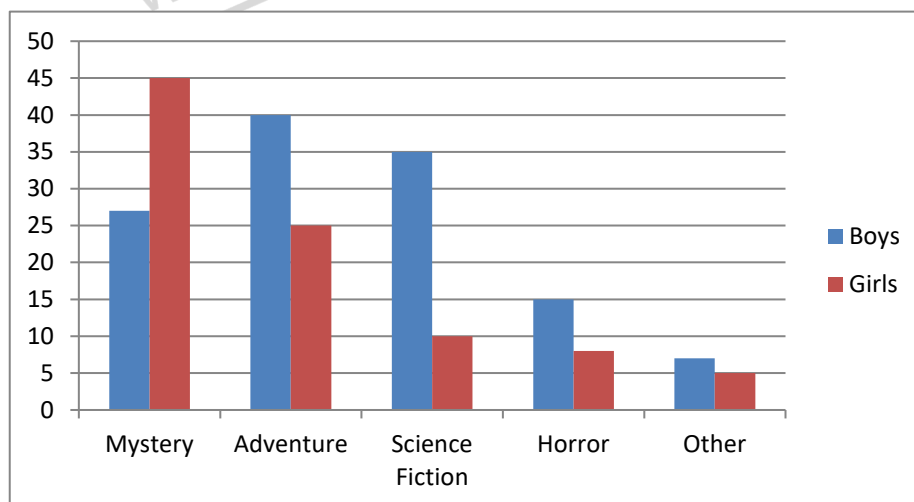
- A. A cafeteria collected data in how much milk was sold in one week. The table below shows the results. Draw a horizontal bar graph to present the results.**

Days	Strawberry	White	Chocolate
Monday	45	50	30
Tuesday	62	87	22
Wednesday	35	92	40
Thursday	56	97	66
Friday	70	90	50



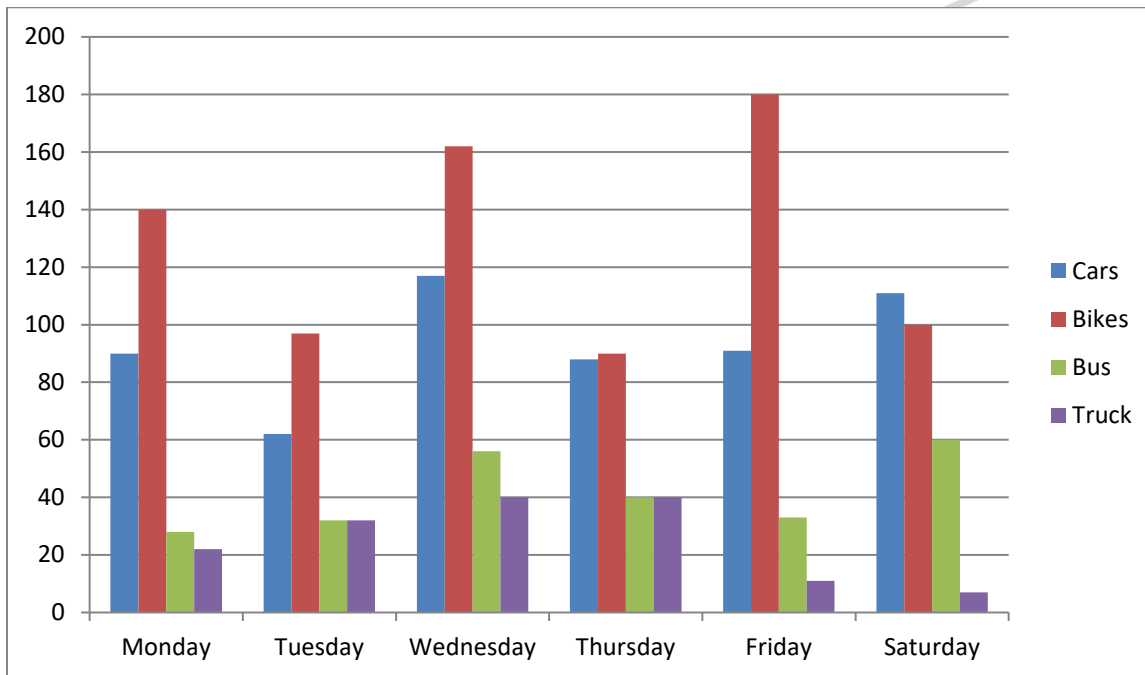
B. A school conducted a survey about favorite books of their students. The result is given in the following table. Draw a vertical bar graph to present the data.

Books	Boys	Girls
Mystery	27	45
Adventure	40	25
Science Fiction	35	10
Horror	15	8
Other	7	5



- C. Traffic police collected data about what kind of vehicles crossed a traffic signal. They collected the data over the working week which is given below. Draw a vertical bar graph to present the results.

Days	Cars	Bikes	Bus	Truck
Monday	90	140	28	22
Tuesday	62	97	32	32
Wednesday	117	162	56	40
Thursday	88	90	40	40
Friday	91	180	33	11
Saturday	111	100	60	07



Exercise 9.3 (Page No. 113)

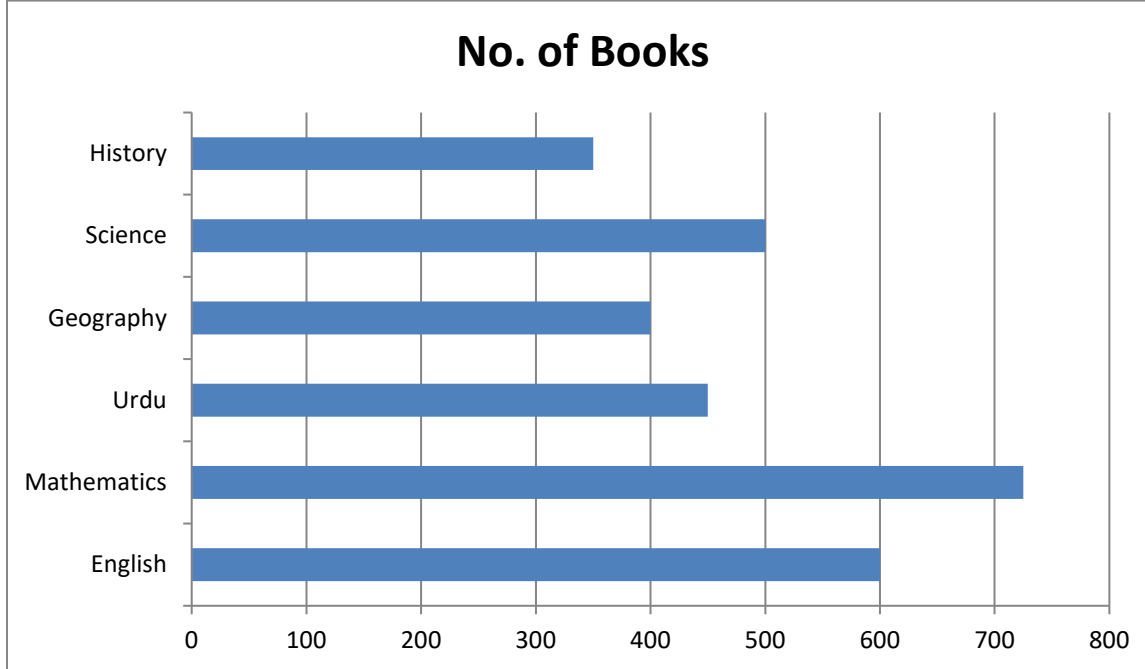
Based on School Survey

Exercise 9.4 (Page No. 115 – 117)

- A. Rizwan collected the following information about the number of books in different subjects in his school library.

Subjects	English	Mathematics	Urdu	Geography	Science	History
No. of Books	600	725	450	400	500	350





Answers to asked questions in the text book

1. Mathematics
2. History
3. 400
4. 3025
5. 950

B. Look at this bar graph, it is representing the number of tickets sold in the noon show of Cars movie in different days of week and answer the following questions. (Page No. 116)

1. Monday, 500
2. Sunday, 300
3. Tuesday
4. Equal no. of tickets were not sold in any day.

C. This bar graph represents the number of students interested in different games in a school. Read the graph and answer the questions given at the bottom. (Page No. 117)

1. Hockey
2. 350
3. Cricket
4. Volley Ball and Football
5. More than 350

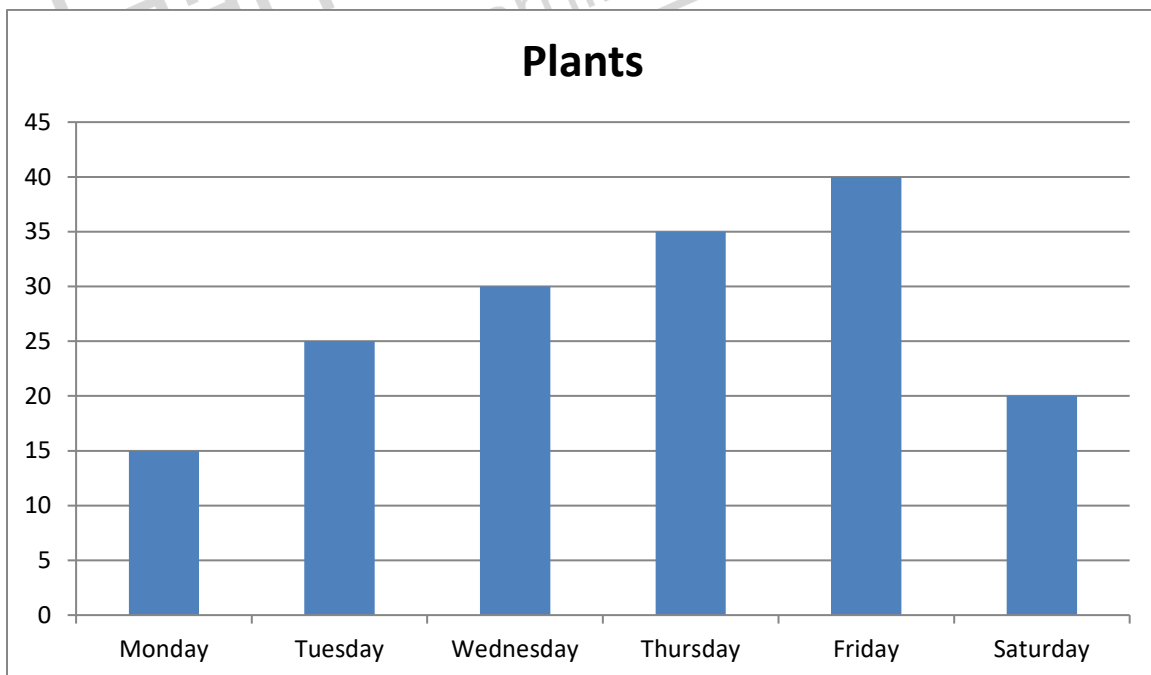
End of Chapter Exercise (Page No. 118 – 119)

- A. Ali gets marked in monthly assessment out of 50. Here are his marks. English 42, Math 48, Science 40, History 34, Geography 39, Drawing 30, Islamic Studies 43, draw a table to show this result.

Subjects	Marks
English	42
Math	48
Science	40
History	34
Geography	39
Drawing	30
Islamic Studies	43

- B. A gardener planted rose plants in a garden in a week. He planted daily some plants. Show this information by drawing a bar graph.

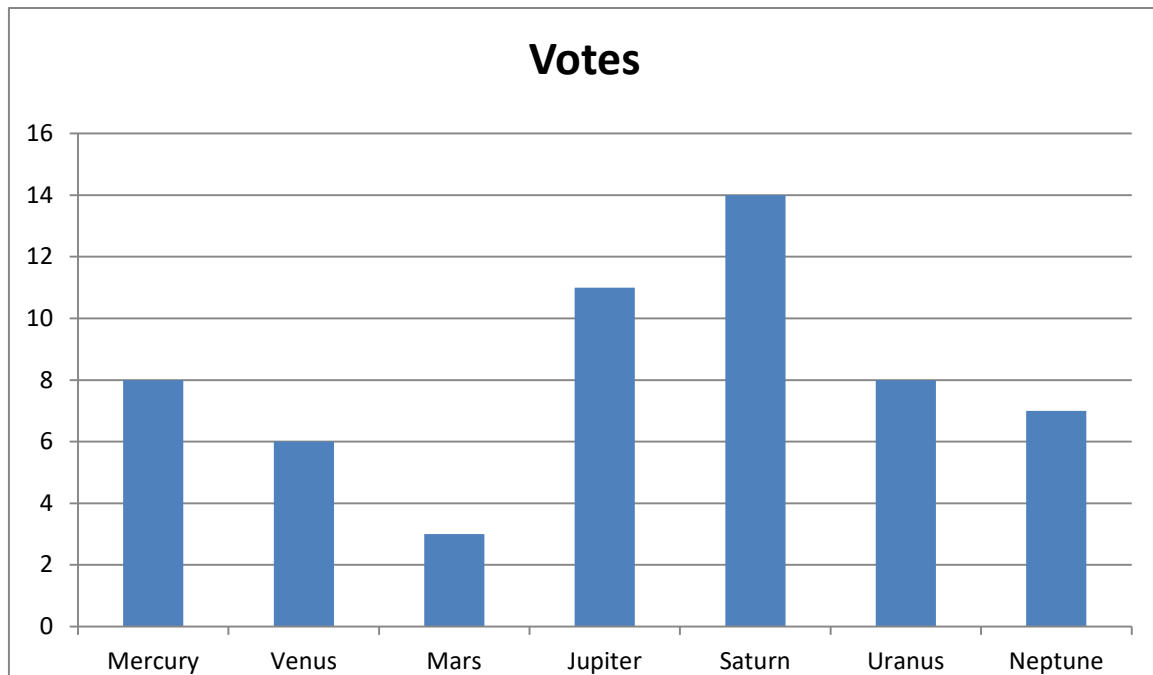
Days	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Plants	15	25	30	35	40	20



C. Look at this bar graph, it is a class 3 students survey and give the answer of these

questions.

Planet	Votes
Mercury	8
Venus	6
Mars	3
Jupiter	11
Saturn	14
Uranus	8
Neptune	7



1. Shown in the above graph
2. 6
3. Saturn
4. 5
5. Mercury and Uranus
6. No
7. Shown in the table above

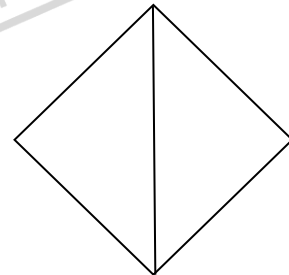
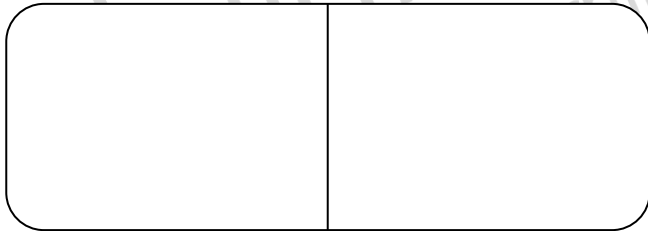
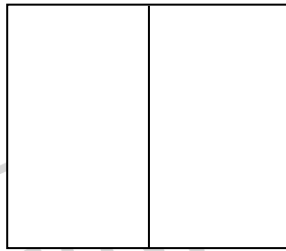
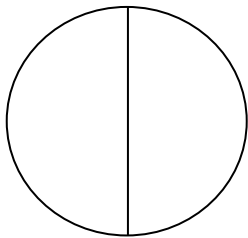
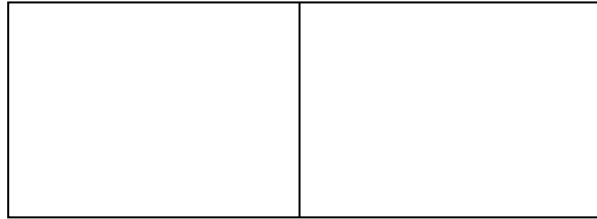
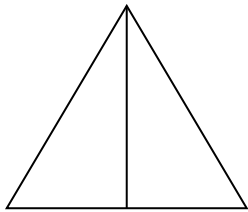
D. Write the answer to the following questions about the graph about "Our Class' Favorite Sports" (Page No. 119)

1. Cricket: 310, Hockey: 190, Football: 340, Handball: 110
2. Football
3. Handball

Chapter 10: Fractions

Exercise 10.1 (Page No. 121)

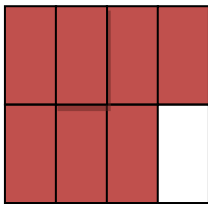
A. Divide them into two equal halves:



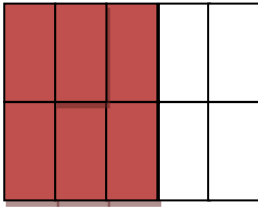
Exercise 10.2 (Page No. 124 – 125)

A. Color the parts to illustrate the fraction

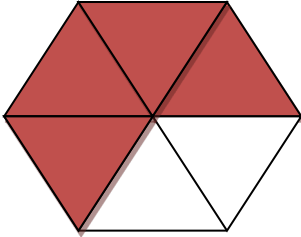
a.



b.

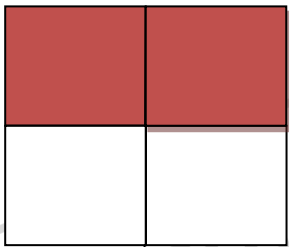


c.



d. Color 4 parts

e.



f.



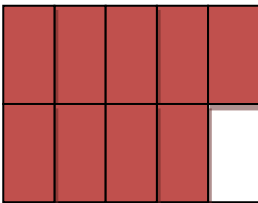
g. Color 2 parts

h. Color 11 parts

i. Color 5 parts

j. Color 1 part

k.



l.



B. Write the fractions, and read them aloud.

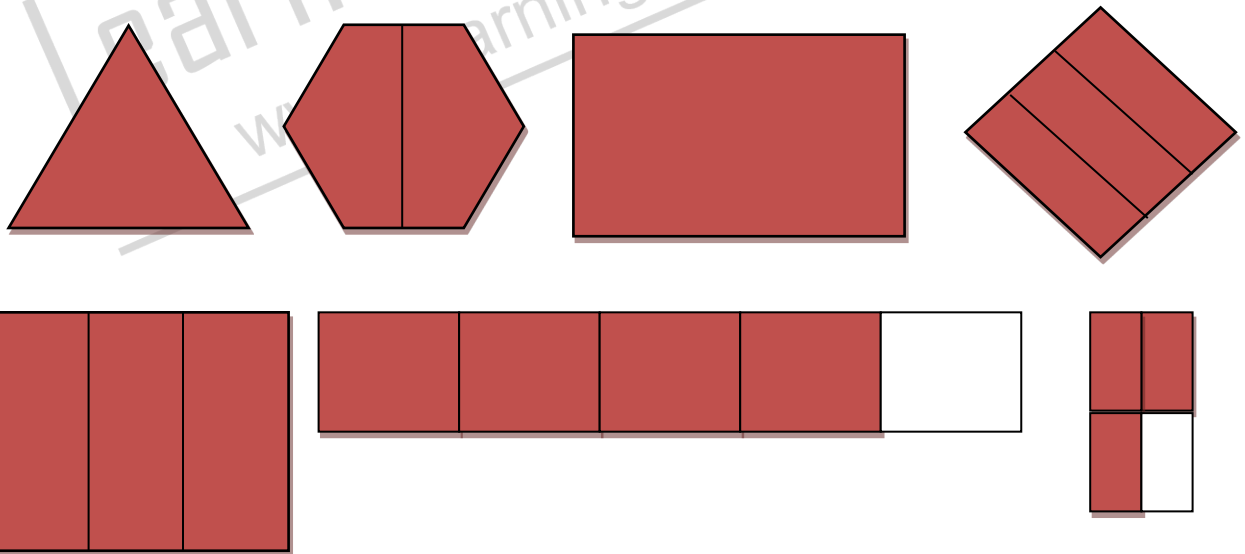
- a. $\frac{1}{3}$
- b. $\frac{1}{5}$
- c. $\frac{3}{4}$
- d. $\frac{2}{8}$
- e. $\frac{2}{5}$
- f. $\frac{3}{7}$

- g. $\frac{5}{10}$
- h. $\frac{3}{12}$
- i. $\frac{7}{12}$
- j. $\frac{3}{6}$
- k. $\frac{4}{18}$
- l. $\frac{7}{8}$

C. Write the fractions, and read them aloud. (Page No. 125)

- a. $\frac{2}{5}$
- b. $\frac{4}{5}$
- c. $\frac{3}{4}$
- d. $\frac{5}{8}$
- e. $\frac{5}{6}$
- f. $\frac{8}{8}$

D. Divide the shapes into equal parts, and color some of the parts, to show the fractions.



Exercise 10.3 (Page No. 127)

A. Color the figure as instructed below:

From left to right

Red	Red	Green	Green
Red	Green	Blue	Green
Green	Red	Green	Red
Blue	Green	Red	Blue
Red	Red	Blue	Blue

Exercise 10.4 (Page No. 129)

A. Which of the following fractions are proper fractions?

1. Proper
2. Proper
3. Improper
4. Improper
5. Proper
6. Proper

B. Which of the following fractions are improper fractions?

1. Proper
2. Proper
3. Improper
4. Proper
5. Improper
6. Improper

C. Separate the proper and improper fractions

1. Proper: $\frac{11}{18}$, $\frac{5}{7}$, $\frac{5}{20}$, $\frac{8}{31}$
2. Improper : $\frac{18}{11}$, $\frac{13}{8}$, $\frac{33}{13}$

Exercise 10.5 (Page No. 133 – 134)

A. Look at the figures and write equivalent fractions

1. $\frac{1}{2}$
2. $\frac{2}{4} = \frac{1}{2}$
3. $\frac{1}{3}$



4. $4/8 = 2/4 = 1/2$
5. $2/6 = 1/3$
6. $7/16$

B. Color the fractions of each circle

1. Color 1 part
2. Color 2 parts
3. Color 2 parts
4. Color 4 part
5. Color 2 parts
6. Color 4 parts
7. Color 1 parts
8. Color 1 parts
9. Color 6 part
10. Color 7 parts

C. Fill in the blanks (Page No. 134)

1. 2
2. 8
3. 6
4. 9 misprint in book it will be $3/6 = 9/18$
5. 6
6. 2
7. 4
8. 8

D. Write these fractions in their simplest form.

1. $1/4$
2. $2/3$
3. $2/3$
4. $5/6$
5. $2/3$

E. Write the equivalent fractions of these fractional numbers.

- | | |
|-------|-------|
| 1. 2 | 4. 4 |
| 2. 8 | 5. 2 |
| 3. 10 | 6. 12 |



Exercise 10.6 (Page No. 138 – 139)

A. Add and subtract (Page No. 138)

1. $2/2 = 1$

2. $3/3 = 1$

3. $3/5$

4. $4/4 = 1$

5. $7/7 = 1$

6. $8/8 = 1$

7. $9/2$

8. $5/5 = 1$

9. $4/6$

10. $1/8$

11. $1/3$

12. $5/9$

13. $1/7$

14. $1/8$

15. $2/4 = \frac{1}{2}$

16. $2/5$

17. $4/4 = 1$

18. $3/3 = 1$

19. $3/4$

20. $4/8 = 2/4 = 1/2$

21. $1/7$

22. $3/5$

23. $3/5$

24. $1/6$

25. $3/8$

26. $5/9$

27. $7/15$

28. $7/10$

29. $4/3$

30. $7/10$

31. $5/4$

32. $3/14$

33. $9/18 = 3/6 = 1/2$

B. Add these fractions (Page No. 139)

1. $4/5$

2. $9/11$

3. $6/7$

4. $13/15$

5. $24/25$

6. $3/4 + 3/6 = 3/4 \times 6 + 3/6 \times 4 = 18/24 + 12/24 = 30/24 = 15/12 = 5/4$

7. $4/5 + 3/2 = 4/5 \times 2 + 3/2 \times 5 = 8/10 + 15/10 = 23/10$

8. $2/3 + 3/2 = 2/3 \times 2 + 3/2 \times 3 = 4/6 + 9/6 = 13/6$

C. Fill in the blanks (Page No. 139)

1. $7/12$

2. $2/2$

3. $19/35$

4. $13/47$

5. $33/19$

6. $4/8 + 8/6 = 4/8 \times 6 + 8/6 \times 8 = 24/48 + 64/48 = 88/48 = 44/24 = 22/12 = 11/6$



D. Subtract these fractions (Page No. 139)

1. $2/7$
2. $3/9 = 1/3$
3. $4/14 = 2/7$
4. $9/21 = 3/7$
5. $9/13$
6. $4/2 - 3/4 = 4/2 \times 4 - 3/4 \times 2 = 16/8 - 6/8 = 10/8 = 5/4$
7. $1/2 - 1/4 = 1/2 \times 4 - 1/4 \times 2 = 4/8 - 2/8 = 2/8 = 1/4$
8. $4/5 - 2/6 = 4/5 \times 6 - 2/6 \times 5 = 24/30 - 10/30 = 14/30 = 7/15$

E. Fill in the blanks (Page No. 139)

1. $4/12 = 2/6 = 1/3$
2. $4/35$
3. $5/11$
4. $4/16 = 1/4$
5. $15/29$
6. $7/5 - 5/7 = 7/5 \times 7 - 5/7 \times 5 = 49/35 - 25/35 = 24/35$

Exercise 10.7 (Page No. 143)

A. Compare the fractions. Use <, > or =.

- a. <, $2/6 = 1/3$ is less than $1/2$
- b. <, $3/8$ is less than $3/6 = 1/2$
- c. <, $1/4$ is less than $4/8 = 1/2$
- d. =, $2/4$ is equal to $4/8$ as $2/4$ is equal to $1/2$ and $4/8$ is also equal to $1/2$
- e. >, $4/6 = 2/3$ is greater than $2/4 = 1/2$
- f. >, $2/3$ is greater than $1/2$
- g. >, $6/8 = 3/4$ is greater than $1/3$
- h. =, $1/2$ is equal to $4/8$ because $4/8$ is also equal to $1/2$

Exercise 10.8 (Page No. 144 – 145)

A. Fill in <, > or = where appropriate.

- | | |
|------|------|
| 1. > | 6. < |
| 2. < | 7. = |
| 3. > | 8. > |
| 4. < | 9. = |
| 5. < | |



B. Put the following fractions in descending order.

1. $7/7, 5/7, 3/7, 1/7$
2. $9/16, 8/16, 5/16, 4/16$
3. $9/10, 7/10, 6/10, 4/10$
4. $13/15, 11/15, 10/15, 5/15$
5. $7/11, 6/11, 5/11, 2/11$
6. $18/20, 15/20, 12/20, 11/20$
7. $18/19, 15/19, 11/19, 1/19$
8. $11/14, 10/14, 8/14, 4/14$

C. Put the following fractions in ascending order.

1. $1/8, 3/8, 5/8, 7/8$
2. $2/18, 5/18, 6/18, 9/18$
3. $1/10, 2/10, 4/10, 5/10$
4. $5/17, 7/17, 11/17, 13/17$
5. $5/13, 6/13, 7/13, 9/13$
6. $11/20, 12/20, 14/20, 15/20$
7. $5/15, 8/15, 10/15, 11/15$
8. $4/14, 10/14, 11/14, 12/14$

D. Compare the following Unlike Fractions.

1. $<$
2. $<$
3. $>$
4. $>$
5. $>$

E. Order the following Unlike Fractions in ascending order

1. $1/3 (=5/15), 7/15 (=7/15), 3/5 (=12/15)$
2. $12/63 (=12/63), 2/7 (=18/63), 4/9 (=28/63)$
3. $7/24 (=7/24), 3/8 (=9/24), 2/3 (=16/24)$



End of Chapter Exercise (Page No. 146 – 147)

A. Draw a line to match the fraction to the words

One half ($\frac{1}{2}$)	$\frac{2}{3}$
One third ($\frac{1}{3}$)	$\frac{1}{2}$
One quarter ($\frac{1}{4}$)	$\frac{3}{4}$
One Sixth ($\frac{1}{6}$)	$\frac{1}{4}$
Two thirds ($\frac{2}{3}$)	$\frac{1}{3}$
Three quarters ($\frac{3}{4}$)	$\frac{1}{6}$

B. Circle the fraction which matches the figure.

1. $\frac{2}{3}$
2. $\frac{3}{4}$
3. $\frac{5}{6}$
4. $\frac{4}{8}$

C. Compare the following fractions.

- | | |
|------|-------|
| 1. < | 9. < |
| 2. = | 10. > |
| 3. = | 11. < |
| 4. > | 12. > |
| 5. < | 13. < |
| 6. < | 14. > |
| 7. < | 15. > |
| 8. < | |

D. Share a 32 piece chocolate bar equally between four friends. Write down the fraction they each receive in five different ways.

1. $\frac{32}{4}$,
2. $\frac{16}{2}$,
3. $\frac{8}{1}$,
4. 8
5. Each friend will get 8 pieces

E. Do the following. (Page No. 147)

1. $\frac{2}{3}$, $\frac{4}{6}$, $\frac{6}{9}$, $\frac{8}{12}$, $\frac{10}{15}$, $\frac{12}{18}$
2. $\frac{7}{1}$, $\frac{70}{10}$, $\frac{77}{11}$, $\frac{700}{100}$, $\frac{707}{101}$



$$\begin{aligned}
3. \quad 5 &= (1)+(1)+(1)+(1)+(1) \\
&= (\frac{1}{3}+\frac{1}{3}+\frac{1}{3})+(\frac{1}{3}+\frac{1}{3}+\frac{1}{3})+(\frac{1}{3}+\frac{1}{3}+\frac{1}{3})+(\frac{1}{3}+\frac{1}{3}+\frac{1}{3})+(\frac{1}{3}+\frac{1}{3}+\frac{1}{3}) \\
&= 3(\frac{1}{3})+3(\frac{1}{3})+3(\frac{1}{3})+3(\frac{1}{3})+3(\frac{1}{3}) \\
&= 15 \times (\frac{1}{3})
\end{aligned}$$

There are fifteen thirds in five.

F. Solve the following word problems (Page No. 147)

1. $\frac{2}{8}$
2. $\frac{7}{14} = \frac{1}{2}$
3. $\frac{4}{10}$
4. $\frac{2}{10}$
5. $\frac{6}{12} = \frac{1}{2}$
6. $\frac{2}{4} = \frac{1}{2}$
7. $\frac{6}{8} = \frac{3}{4}$
8. $\frac{4}{12} = \frac{2}{6} = \frac{1}{3}$
9. $\frac{10}{16} = \frac{5}{8}$
10. $\frac{3}{9} = \frac{1}{3}$

Chapter 11: Telling Time and Date

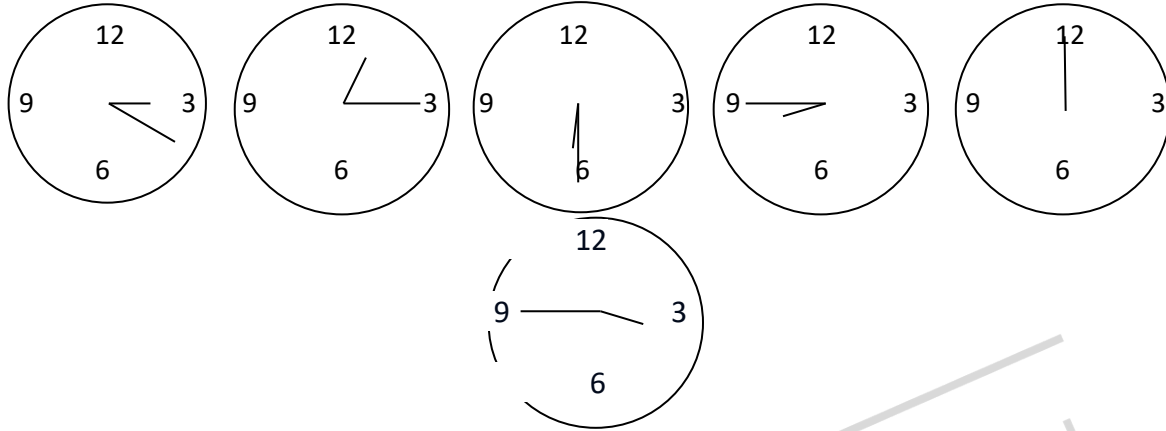
Exercise on (page no. 150)

1. Getting ready for school
2. Playing
3. Light
4. No
5. Going to school



Exercises 11.1 (Page No. 151)

G. Draw hands and show these times:



H. Write in hours and minutes

- 1 hour 50 minutes
- 3 hours 15 minutes
- 2 hours 20 minutes
- 1 hour 35 minutes
- 3 hours 20 minutes

Exercise 11.2 (Page No. 154)

- 7:50 pm
- 120 minutes
- a) 1 hour 30 minutes
b) 5:40
- 10:20
- 11:15
- 1:15
- 105 minutes
- 2 hours 50 minutes

Exercise 11.3 (Page No. 155)

A. Convert following hours to minutes and minutes to hours:

- 300mins
- 420mins

3. 840mins
4. 480mins
5. 600mins
6. 1 hour 30mins
7. $1,440 / 60 = 24$ hours
8. 3 hours
9. 1 hour 15mins
10. 2 hours

Exercises 11.4 (Page No. 158 – 159)

A. Add the hours and minutes

<table style="margin: auto;"> <tr><td>h</td><td>min</td></tr> <tr><td>8</td><td>15</td></tr> <tr><td>+</td><td>9 12</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>17</td><td>27</td></tr> </table> <p>17 hours 27 minute</p>	h	min	8	15	+	9 12	<hr/>		17	27	<table style="margin: auto;"> <tr><td>h</td><td>min</td></tr> <tr><td>7</td><td>35</td></tr> <tr><td>+</td><td>5 45</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>12</td><td>80</td></tr> </table> <p>13 hours 20 minute</p>	h	min	7	35	+	5 45	<hr/>		12	80	<table style="margin: auto;"> <tr><td>h</td><td>min</td></tr> <tr><td>3</td><td>25</td></tr> <tr><td>+</td><td>2 49</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>5</td><td>74</td></tr> </table> <p>6 hours 14 minute</p>	h	min	3	25	+	2 49	<hr/>		5	74	<table style="margin: auto;"> <tr><td>h</td><td>min</td></tr> <tr><td>7</td><td>18</td></tr> <tr><td>+</td><td>5 22</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>12</td><td>40</td></tr> </table> <p>12 hours 40 minute</p>	h	min	7	18	+	5 22	<hr/>		12	40
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<hr/>																																											
6	80																																										
h	min																																										
1	55																																										
+	5 60																																										
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7	15																																										
h	min																																										
3	57																																										
+	9 50																																										
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13	07																																										

B. Subtract the hours and minutes

$\begin{array}{r} \text{h} \quad \text{min} \\ 7 \quad 30 \\ - 3 \quad 15 \\ \hline 4 \quad 15 \end{array}$ <p>4 hours 15 minute</p>	$\begin{array}{r} \text{h} \quad \text{min} \\ 8 \quad 50 \\ - 3 \quad 16 \\ \hline 5 \quad 34 \end{array}$ <p>5 hours 34 minutes</p>	$\begin{array}{r} \text{h} \quad \text{min} \\ 9 \quad 45 \\ - 2 \quad 40 \\ \hline 7 \quad 05 \end{array}$ <p>7 hours 05 minutes</p>	$\begin{array}{r} \text{h} \quad \text{min} \\ 15 \quad 48 \\ - 12 \quad 24 \\ \hline 3 \quad 24 \end{array}$ <p>3 hours 24 minute</p>
$\begin{array}{r} \text{h} \quad \text{min} \\ 20 \quad 33 \\ - 15 \quad 14 \\ \hline 5 \quad 19 \end{array}$ <p>5 hours 19 minutes</p>	$\begin{array}{r} \text{h} \quad \text{min} \\ 11 \quad 90 \\ \hline 12 \quad 30 \\ + 3 \quad 40 \\ \hline 8 \quad 50 \end{array}$ <p>8 hours 50 minutes</p>	$\begin{array}{r} \text{h} \quad \text{min} \\ 5 \quad 75 \\ \hline 6 \quad 15 \\ + 5 \quad 40 \\ \hline 0 \quad 35 \end{array}$ <p>0 hours 35 minutes</p>	$\begin{array}{r} \text{h} \quad \text{min} \\ 3 \quad 57 \\ + 9 \quad 50 \\ \hline 13 \quad 07 \end{array}$ <p>13 hours 07 minutes</p>

C. Solve the following words problem (Page No. 159)

- 2 hours 45 minutes
- 4 hours 50 minutes
- 4 hours 35 minutes
- 11 hours
- 1 hour 15 minutes
- 1 hour 20 minutes
- 10 hours
- 3 hours 15 minutes
- 1 hour 20 minutes
- 3 hour 05 minutes

Exercise 11.5 (Page No. 162 – 163)**A. Answer each question below. Use a calendar if you don't know the answer.**

- 12 months
- 7 days
- 30 days
- Monday (according to 2019)
- July
- 11th February
- October
- 27th September
- 9th June
- 365 days (according to 2019)



B. Give the answer of the questions

- a. 1st June (hopefully, it's depend in your school's administration decision)
- b. December
- c. _____, _____ (for example: 14th December, 1988 or 1st January, 2010)
- d. 7 days
- e. _____ (for example: 2018 while I am writing)
- f. _____, _____ (for example: 18th December, 2018 or 18/12/2018)

C. Activity

D. Fill in the blanks

1. 45 minutes
2. 15 minutes
3. 120 minutes
4. 1 hour
5. 50 minutes
6. 10 minutes
7. 60 minutes
8. 60 seconds
9. 32 minutes
10. 24 hours

End of Chapter Exercises (Page No. 164 – 165)

A. Solve the following problems

- | | |
|------|-------|
| 1. D | 8. C |
| 2. C | 9. B |
| 3. C | 10. B |
| 4. A | 11. |
| 5. D | 12. B |
| 6. D | 13. D |
| 7. B | |

(Note: serial number mistake in text book 11 and 12)

B. Match the word problems to their answer

1. 3 hours
2. 2 hours
3. 12 hours
4. 8 hours 30 minutes
5. 1 hour



C. Fill in the blanks

1. 366 days
2. 12 months
3. 7 days
4. 30 days
5. First day

Chapter 12: Geometry

Exercise 12.1 (Page No. 169)

A. Measure the line segment and write the correct measurements.

- | | |
|-----------|-----------|
| 1. 5 cm | 5. 9 cm |
| 2. 3 cm | 6. 6.2 cm |
| 3. 7.5 cm | 7. 3.4 cm |
| 4. 2 cm | 8. 10 cm |

B. Write the names of these lines. Are they lines, line segment or ray?

1. Line
2. Ray
3. Line Segment

A. Draw a line segment of the given measurements.

1. Draw 5 cm line with the help of scale
2. Draw 4 cm line with the help of scale
3. Draw 9 cm line with the help of scale
4. Draw 7 cm line with the help of scale
5. Draw 6 cm line with the help of scale

Exercise 12.2 (Page No. 174)

A. Are these lines parallel or not? Give the answer in YES or NO.

1. Yes
2. No
3. Yes
4. No

B. Identify the lines and write their names.

1. Intersecting Lines



2. Parallel Lines
3. Perpendicular Lines
4. Intersecting Lines

Exercise 12.3 (Page No. 177)

A. Identify the following quadrilaterals and write their names below them.

Rectangle

Trapezoid

Parallelogram

Kite

Square

Rhombus

Parallelogram

Rectangle

Kite

Trapezoid

Rhombus

Trapezoid

Exercise 12.4 (Page No. 179)

A. Draw a circle with following diameter.

To be answered by the students themselves.

B. Give the answers.

1. 4

2. Round

3. Closed

4. Diameter, Radius

5. Diameter

6. Radius

7. Semi circle

8. 5.4 cm

9. 9 cm

10. Radius

11. Circumference

Exercise 12.5 (Page No. 182)

A. Find the area and perimeter of the given shapes.

(From left to right)

Rhombus of 9cm

Perimeter: $9\text{cm} + 9\text{cm} + 9\text{cm} + 9\text{cm} = 36\text{cm}$

Area: $9\text{cm} \times 9\text{cm} = 81\text{cm}^2$

Square of 8cm

Perimeter: $8\text{cm} + 8\text{cm} + 8\text{cm} + 8\text{cm} = 32\text{cm}$

Area: $8\text{cm} \times 8\text{cm} = 64\text{cm}^2$



Rectangle of Length: 15cm and Width: 5cm

Perimeter: $15\text{cm} + 5\text{cm} + 15\text{cm} + 5\text{cm} = 40\text{cm}$

Area: $15\text{cm} \times 5\text{cm} = 75\text{cm}^2$

Square of 3cm

Perimeter: $3\text{cm} + 3\text{cm} + 3\text{cm} + 3\text{cm} = 12\text{cm}$

Area: $3\text{cm} \times 3\text{cm} = 9\text{cm}^2$

Square of 6cm

Perimeter: $6\text{cm} + 6\text{cm} + 6\text{cm} + 6\text{cm} = 24\text{cm}$

Area: $6\text{cm} \times 6\text{cm} = 36\text{cm}^2$

Rectangle of Length: 10cm and Width: 4cm

Perimeter: $10\text{cm} + 4\text{cm} + 10\text{cm} + 4\text{cm} = 28\text{cm}$

Area: $10\text{cm} \times 4\text{cm} = 40\text{cm}^2$

Rectangle of Length: 9cm and Width: 4cm

Perimeter: $9\text{cm} + 4\text{cm} + 9\text{cm} + 4\text{cm} = 26\text{cm}$

Area: $9\text{cm} \times 4\text{cm} = 36\text{cm}^2$

Rectangle of Length: 3cm and Width: 2cm

Perimeter: $3\text{cm} + 2\text{cm} + 3\text{cm} + 2\text{cm} = 10\text{cm}$

Area: $3\text{cm} \times 2\text{cm} = 6\text{cm}^2$

Square of 2cm

Perimeter: $2\text{cm} + 2\text{cm} + 2\text{cm} + 2\text{cm} = 8\text{cm}$

Area: $2\text{cm} \times 2\text{cm} = 4\text{cm}^2$

End of Chapter Exercise (Page No. 183 – 188)

B. Match each term with the picture that represents it by drawing a line to connect the term to the picture. (Page No. 183)

- | | | |
|------------------------|-------|-----------------|
| a. Line | _____ | Drawing 1 = (d) |
| b. Line Segment | _____ | Drawing 2 = (e) |
| c. Ray | _____ | Drawing 3 = (a) |
| d. Perpendicular Lines | _____ | Drawing 4 = (b) |
| e. Parallel Lines | _____ | Drawing 5 = (f) |
| f. Intersecting Lines | _____ | Drawing 6 = (c) |

C. This is a picture made by using shapes. Now use your creativity to make a picture of your own in the given box. (It can be animal, plants, scenery)

Students Own creativity



D. True or False (Page No. 184)

1. False
2. False
3. True
4. False
5. True

E. Choose the Correct Answer (Page No. 184)

1. B
2. None
3. B
4. C
5. B

F. A line segment is defined by

C. 2 points

G. Which pair of lines is parallel?

B

H. Find the perimeters and area of each shape. (Page No. 185)

1. Figure A: Square of 5

Perimeter: $5+5+5+5 = 20$

Area: $5 \times 5 = 25$

2. Figure B: Rectangle of Length of 9 and Width of 6

Perimeter: $9+6+9+6 = 30$

Area: $9 \times 6 = 54$

3. Figure C: Rectangle of Length of 10 and Width of 2

Perimeter: $10+2+10+2 = 24$

Area: $10 \times 2 = 20$

4. Figure D: Rectangle of Length of 5 and Width of 4

Perimeter: $5+4+5+4 = 18$

Area: $5 \times 4 = 20$

I. Find the perimeter and area of each shape. (Page No. 186)



Shape A

Perimeter: $4+5+4+3+8+8 = 32$

Area: To find the area of this shape, we cut this shape into two separate quadrilaterals;

(i) & (ii).

(i) Rectangle length is 5 and width is 4 = $5 \times 4 = 20$

(ii) Rectangle length is 3 and width is 8 = $3 \times 8 = 24$

then we add both answer = $20+24 = 44$

Shape B

Perimeter: $6+2+3+3+3+2+6+7 = 32$

Area: To find the area of this shape, we cut this shape into two separate quadrilaterals;

(i) & (ii).

(i) Rectangle length is 7 and width is 6 = $7 \times 6 = 42$

(ii) is a square of 3 so $3 \times 3 = 9$

then we add both values = $42+9 = 51$

J. Point O is the center of the circle below. What do you call the segments? (Page No. 186)

a. AB is called Chord

b. CD is diameter

c. OD is radius

K. Find the perimeter and area of each shape. (Page No. 187)

Note: To find the perimeters and areas of the given shapes in this exercise, first we have calculate the missing values of sides which we can calculate simply by addition or subtraction with other sides. Then we calculate areas by separating quadrilaterals with imaginary lines.

a.

Perimeter: $30+25+5+20+25+5 = 110\text{cm}$

Area: (i) $25 \times 5 = 125\text{cm}^2$

(ii) $25 \times 5 = 125\text{cm}^2$

add both values $125+125 = 250\text{cm}^2$

b.

Perimeter: $55+70+33+60+22+10 = 250\text{yd}$

Area: (i) $70 \times 33 = 2,310$ square yard

(ii) $10 \times 22 = 220$ square yard

add both values $2,310+220 = 2,530$ square yard



c.

Perimeter: $80+65+20+50+60+15 = 290\text{m}$

Area: (i) $65 \times 20 = 1,300\text{m}^2$

(ii) $60 \times 15 = 900\text{m}^2$

add both values $1300+900 = 2,200\text{m}^2$

d.

Perimeter: $37+20+5+45+42+25 = 174\text{ft}$

Area: (i) $25 \times 42 = 1,050\text{ft}^2$

(ii) $20 \times 5 = 100 \text{ft}^2$

add both values $1,050+100 = 1,150 \text{ft}^2$

e.

Perimeter: $13+15+5+2+18+17 = 70 \text{in}$

Area: (i) $17 \times 13 = 221 \text{in}^2$

(ii) $5 \times 2 = 10 \text{in}^2$

add both values $221 + 10 = 231 \text{in}^2$

f.

Perimeter: $26+29+5+22+21+7 = 110\text{cm}$

Area: (i) $5 \times 22 = 110\text{cm}^2$

(ii) $7 \times 26 = 182 \text{cm}^2$

add both values $110+182 = 292 \text{cm}^2$

g.

Perimeter: $14+6+12+6+2+12 = 52\text{m}$

Area: (i) $14 \times 6 = 84\text{m}^2$

(ii) $2 \times 6 = 12 \text{m}^2$

add both values $84+12 = 96 \text{m}^2$

h.

Perimeter: $60+60+30+20+30+40 = 240\text{yd}$

Area: (i) $60 \times 40 = 2400 \text{square yard}$

(ii) $30 \times 20 = 600 \text{square yard}$

add both values $2400+600 = 3,000 \text{square yard}$

i.

Perimeter: $17+3+15+9+2+12 = 58\text{ft}$

Area: (i) $9 \times 2 = 18\text{ft}^2$

(ii) $17 \times 3 = 51 \text{ft}^2$

add both values $18+51 = 69 \text{ft}^2$



Note: We can find area by subtraction method too. Let's take an example of shape "h":

First we find the area of whole shape

$$(i) 60 \times 60 = 3,600 \text{ square yard}$$

Then we find vacant area of shape

$$(ii) 20 \times 30 = 600 \text{ square yard}$$

Then we subtract vacant area (ii) from the area of whole shape (i)

$$3,600 - 600 = 3,000 \text{ square yard}$$

L. Observe the cartoon and answer the following: (Page No. 188)

My hat has:

11 circles

1 rectangle

1 square

No triangle

My face has

7 circles

2 rectangles

No square

1 triangle

My body is a: triangle

My legs are: 2 rectangles

My feet are: 4 triangles

