DELHI PUBLIC SCHOOL, GANDHINAGAR

CLASS: 3

SUBJECT: MATHS

Academic Session :2024-25

CHAPTER: 11 MONEY

MONTH: DECEMBER

Exercise-11.1

Q1. Write the given amount in short form.

a) Thirty – five rupees twenty- five paise: ₹35.25

c) Twenty rupees seventy- five paise : ₹ 20. 75

e) Eleven rupees sixty paise: ₹11.60

Q2. Write the given amount in long form.

a) ₹12.45 : Twelve rupees forty-five paise
b) ₹109.45 : One hundred nine rupees forty-five paise
d) ₹62.75 : Sixty-two rupees seventy-five paise
e) ₹182.30 (H.W)

Exercise-11.2

Q1. Convert the following rupees into paise.

a) ₹ 16
   ₹ 1 = 100 paise
   ₹ 16 = ₹ 16 × 100
       = 1600 paise

c) ₹ 45

   ₹ 1 = 100 paise

   ₹ 45 = ₹ 45 × 100
       = 4500 paise

e) ₹ 57

   ₹ 1 = 100 paise
   ₹ 57 = ₹ 57 × 100
       = 5700 paise

Q2. **Convert the following paise into rupees.**

a) 400 paise

  100 paise = ₹ 1

  400 paise = 400 paise ÷ 100

        = ₹ 4

c) 625 paise

  100 paise = ₹ 1

  625 paise = (600 paise ÷ 100) + 25 paise

        = ₹ 6 + 25 paise

        = ₹ 6.25

e) 734 paise

  100 paise = ₹ 1

  734 paise = (700 paise ÷ 100) + 34 paise

        = ₹ 7 + 34 paise

        = ₹ 7.34

Exercise-11.3

Q1. Add

a)

	₹	2	2	0	.	4	5
+	₹	1	1	5	.	2	0
	₹	3	3	5	.	6	5

c)

				1			
	₹	5	6	7	.	2	5
+	₹	1	2	5	.	7	5
	₹	6	9	3	.	0	0

e)

				1			
	₹	8	1	7	.	5	0
+	₹	1	2	3	.	5	0
	₹	9	4	1	.	0	0

f) HW

Q2 Subtract.

a)

	₹	5	0	0	.	7	5
−	₹	3	4	5	.	5	0
	₹	1	5	5	.	2	5

c)

			677			150	
	₹	6	~~7~~	~~8~~	.	~~5~~	~~0~~
−	₹	5	4	3	.	7	5
	₹	1	3	4	.	7	5

e)

	₹	7	8	0	.	7	5
−	₹	1	2	5	.	5	0
	₹	6	5	5	.	2	5

Q3 Observe the menu card and find out the total money spent by each person.

a) Alok ordered ----------------------spend in all?

				1			
Cost of vada pav =			₹6	0	.	4	5
Cost of tomato soup =			₹4	0	.	2	5
Cost of fruit salad =	+		₹2	5	.	7	5
Total spending =		₹1	2	6	.	4	5

c) Ram ordered ------------------------ spend in all?

			1			
Cost of mixed salad =		₹2	0	.	7	5
Cost of cold drink =		₹1	8	.	5	0
Cost of vada pav =	+	₹6	0	.	4	5
Total spending =		₹9	9	.	7	0

Q4. For each bill ------------------- in each case.

Bill 2

		1			
	₹9	9	.	3	0
	₹1	0 5	.	2	5
+	₹2	5 9	.	5	0
	₹4	6 4	.	0	5

	999			100	
	₹1 0 0 0	.	0 0		
−	₹4 6 4	.	0 5		
	₹5 3 5	.	9 5		Money returned

Exercise-11.4

Q1. Find the cost of the following.

a) 6 basketballs if 1 basketball costs ₹ 85.50

			3			
Cost of 1 basketball =			₹8	5	.	5 0
Cost of 6 basketballs =	×					6
		₹5	1	3	.	0 0

C) 9 pens if 1 pen's cost is ₹ 24.25

			2			
Cost of 1 pen =			₹2	4	.	2 5
Cost of 9 pens =	×					9
		₹2	1	8	.	2 5

Q2. What is the cost of following fruits brought by your grandmother?

a) Cost of 1 pineapple = ₹ 58.60

Cost of 2 pineapples = 2 × ₹ 58.60

$$= ₹\ 117.20$$

c) Cost of 1 orange = ₹ 32.50

Cost of 6 oranges = 6 × ₹ 32.50

$$= ₹\ 195.00$$

Q3 Find the cost of the following.

a)   1 bag if 8 bags cost ₹ 824.

$$
\begin{array}{r}
₹\,1\,0\,3 \\
8\overline{)8\,2\,4} \\
-\,8\,\downarrow\downarrow \\
\hline
2\,4 \\
-\,2\,4 \\
\hline
0\,0
\end{array}
$$

Cost of 1 bag = ₹103

c) 1 bottle if the cost of 5 bottles is ₹ 1330.

c.
$$
\begin{array}{r}
₹\,2\,6\,6 \\
5\overline{)₹\,1\,3\,3\,0} \\
-\,1\,0\,\downarrow \\
\hline
3\,3 \\
-\,3\,0\,\downarrow \\
\hline
3\,0 \\
-\,3\,0 \\
\hline
0\,0
\end{array}
$$

Cost of 1 bottle = ₹266

Q4. What will be the cost of 1 pen and 1 eraser if

Cost of 6 pens = 75

Cost of 1 pen = 75 ÷ 5

= ₹ 15

Cost of 4 erasers = 56

Cost of 1 eraser = 56 ÷ 4

= ₹ 14

Exercise-11.5

1.

Rate per item	₹
500	1000
200	600
700	700
40	200
Total	₹2500

2.

Items	Rate per item	₹
Chocolate pastry	65	195
Garlic bread	45	180
Lavash box	120	240
Vanilla pastry	55	55
	Total	₹670

COMPETENCY BASED QUESTIONS

Q.1 Match the following columns.

a. ₹25	i. ₹63
b. 4100 p	ii. 2500 p
c. 6300 p	iii. 4900 p
d. ₹49	iv. ₹41

     a ii   b iv   c i   d iii

Q.2 Arrange the following amounts of money in ascending order.

    ₹ 2.75   ₹ 1.75   ₹ 2.25   ₹ 2.50   ₹ 1.50

Ans ₹ 1.50, ₹ 1.75, ₹ 2.25, ₹ 2.50, ₹ 2.75

Q.3 5 rupees 25 paise is same as ₹ ____
  a) ₹ **5.25**   b) 525 p   c) 5025 p   d) both a and b

Q.4 How many 50 paise coins make ₹ 10?
   Ans. ₹ 1= 50 p + 50p
      20 × 50 = 1000 p
      1000 p = ₹10
      Twenty 50p coins make ₹ 10.

Q5 State True or False.
a) ₹1 = 0.01 Paisa _____(True)
b) 4500 Paisa = ₹ 40_____(False)
c) ₹ 12.32 = 1232 Paisa _____(True)

Google form link:

https://forms.gle/rwmLBicvG6FTPk4U9

DELHI PUBLIC SCHOOL, GANDHINAGAR

CLASS: 3

SUBJECT: MATHS

Academic Session :2024-25

CHAPTER: 12 DATA HANDLING

MONTH: JANUARY

Exercise 12.1

1. Study the pictograph and answer the following questions.

   a. How many caps were sold on Thursday? 6 caps

   b. On which day(s) were the most number of caps sold?
   ANS THURSDAY

   c. On which day(s) were the least number of caps sold?
   ANS TUESDAY AND SATURDAY

   d. Find the total number of caps sold on all 6 days. 21 caps

   e. How many more caps were sold on Friday than Saturday?
   ANS 2 caps

Caps sold by the shopkeeper

Days	Number of caps sold
Monday	🧢🧢🧢
Tuesday	🧢🧢
Wednesday	🧢🧢🧢🧢
Thursday	🧢🧢🧢🧢🧢🧢
Friday	🧢🧢🧢🧢
Saturday	🧢🧢

Key: 🧢 = 1 cap

2. The pictograph given shows the number of bikes repaired by different mechanics at Peter's garage.

   a. How many bikes did Sandy repair? 4 bikes

Name	Number of bikes repaired
Timmy	🏍️🏍️🏍️
Jimmy	🏍️🏍️
John	🏍️🏍️🏍️🏍️🏍️
Sandy	🏍️🏍️🏍️🏍️
Sirish	🏍️🏍️🏍️🏍️🏍️🏍️

Key: 🏍️ = 1 bike

b. Who repaired the maximum number of bikes? Sirish

c. Who repaired 5 bikes? John

d. How many bikes were repaired by Timmy and Sandy? 7 bikes

e. Who repaired the least number of bikes? Jimmy

3. Represent the following data in the form of a pictograph.

   a. Number of saplings planted by grade 3 students in 5 days

Days	Monday	Tuesday	Wednesday	Thursday	Friday
Number of saplings	10	9	10	7	8

3. a.

Days	Number of Saplings
Monday	🌾🌾🌾🌾🌾🌾🌾🌾🌾🌾🌾
Tuesday	🌾🌾🌾🌾🌾🌾🌾🌾🌾
Wednesday	🌾🌾🌾🌾🌾🌾🌾🌾🌾
Thursday	🌾🌾🌾🌾🌾🌾🌾
Friday	🌾🌾🌾🌾🌾🌾🌾🌾

Key: 🌾 = 1 sapling

(HW) b. Number of buckets of water used by a family of 4 in a week

Members	Father	Mother	Brother	Sister
Number of buckets	10	7	5	8

Exercise 12.2

1. The bar graph shows the number and types of flowers present in the balcony of Mrs Khanna.

   Now, answer the following questions.

   Types of flowers

   Scale: 1 unit = 1 flower

   Number of flowers (y-axis 1–9)

   Roses Lilies Orchids Tulips Hibiscus
   Flower
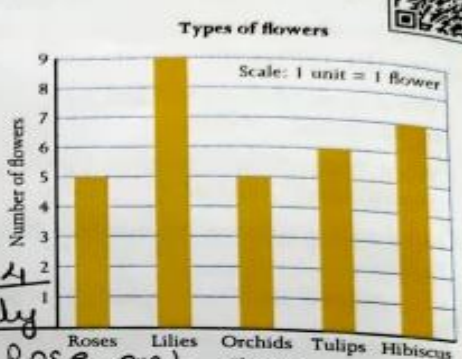
   a. Which flowers are more in number compared to hibiscus? **Lily**
   b. How many flowers are there in total? **32**
   c. How many more lilies are there than roses? **4**
   d. Which flowers are the most in quantity? **Lily**
   e. Which two flowers are the same in number? **Rose and orchids**

2. The following data was collected regarding the number of students in classes 1-5 who participated in an art competition. Draw the bar diagram with this information and answer the following questions.

Class	1	2	3	4	5
Number of students	10	12	11	15	9

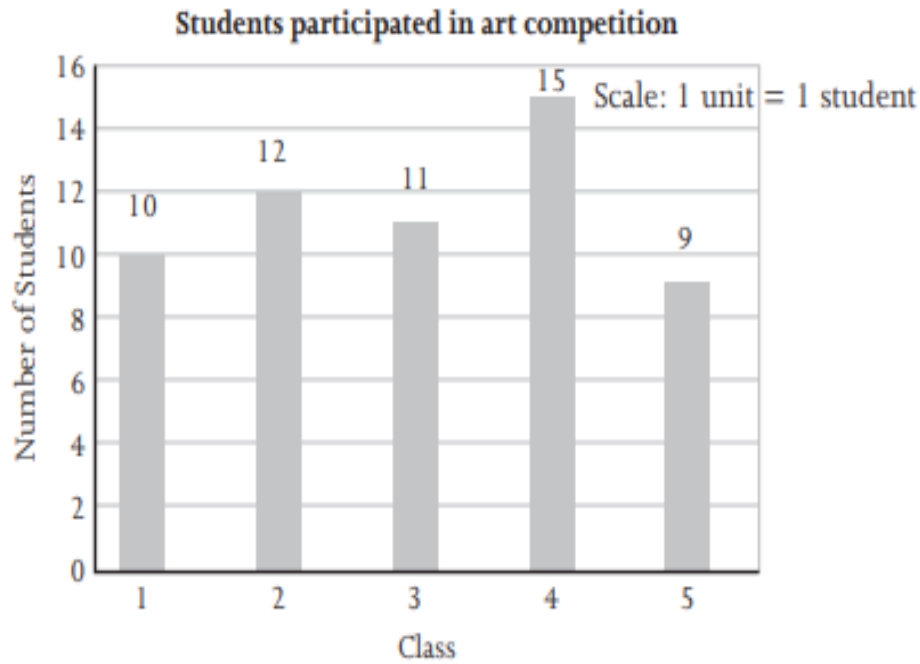   a. How many students participated in the competition altogether? **57**
   b. From which class did the minimum number of students participate? **Class 5**
   c. How many more students from class 4 participate than class 3? **4**
   d. How many students from class 2 and class 5 participated in total? **21**

2.

Students participated in art competition

Scale: 1 unit = 1 student

Y-axis: Number of Students (0, 2, 4, 6, 8, 10, 12, 14, 16)

Values: Class 1 = 10, Class 2 = 12, Class 3 = 11, Class 4 = 15, Class 5 = 9

X-axis: Class (1, 2, 3, 4, 5)

COMPETENCY BASED QUESTION

The given below pictoraph shows the favourite colours of children of Class 3.

Red	🧑🧑🧑🧑🧑🧑🧑🧑🧑🧑
Green	🧑🧑🧑🧑
Yellow	🧑🧑🧑🧑🧑🧑
Blue	🧑🧑🧑🧑🧑🧑🧑🧑
Purple	🧑🧑🧑🧑🧑
Pink	🧑🧑🧑
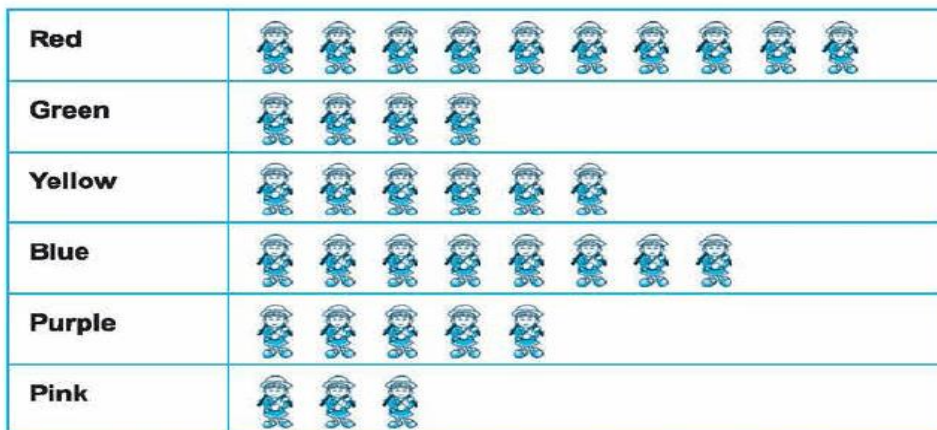
Observe the pictograph and answer the following questions:

- Which colour did the least number of children choose? **Pink (3)**
- Which colour did 5 children choose? **Purple**
- How many children choose green? **Four**

Google form link:
https://forms.gle/1qvYHiYcVWj6ro7y

DELHI PUBLIC SCHOOL GANDHINAGAR

CLASS: 3   **SUBJECT : MATHS**

ACADEMIC SESSION: 2024- 25

CHAPTER 5: PATTERNS AND SYMMETRY

MONTH: NOVEMBER

Exercise 8.1

Extend the pattern.

a.

b. 2, 4, 6, 2, 4, 6, 2, 4, 6, ...2......, ...4......., ...6........

c.

d.

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2. Circle the object which is not at the correct place in the given repeated pattern.

a.

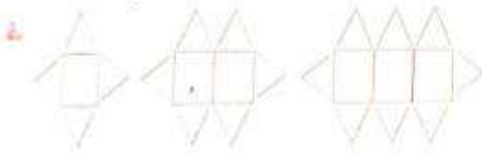b. 1, 2, 3, 4, 5, 1, 2, 3, 4, 5, 1, 2, 3, 5, 1, 2, 3, 4, 5

c.

Create a pattern repeated thrice using the given shapes.

1. Extend the pattern. Also, write the rule and unit of repeat.
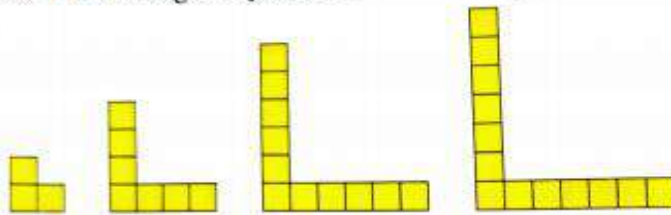
2.

Rule: Add a Square and 2 triangles
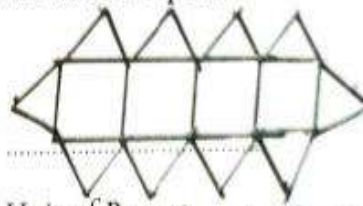
Unit of Repeat: 1 Square and 2 triangles

2. Write **YES** if the given pattern is a decreasing pattern and **NO** if it is not.
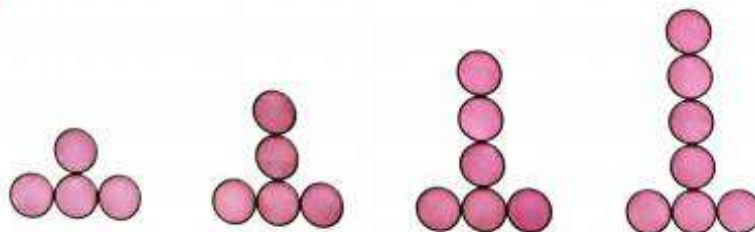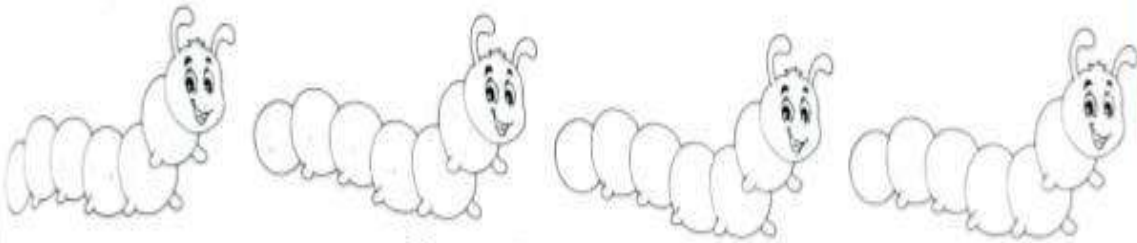
a.
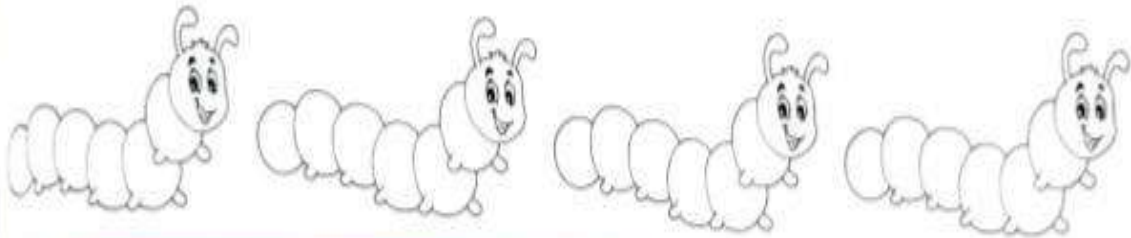

NO

b.

YES

c.

YES

d.

No

3. Colour the body of the caterpillar as directed.

Increasing Pattern

Decreasing Pattern

Exercise 8.3

1. Complete the table.

		SUM	PATTERN
FIRST EVEN NUMBER	2	2	$1 \times 2 = 2$
FIRST 2 EVEN NUMBERS	2, 4	$2 + 4 = 6$	$3 \times 2 = 6$
FIRST 3 EVEN NUMBERS	2, 4, 6	$2+4+6 = 12$	$6 \times 2 = 12$
FIRST 4 EVEN NUMBERS	2, 4, 6, 8	$2+4+6+8 = 20$	$10 \times 2 = 20$
FIRST 5 EVEN NUMBERS	2, 4, 6, 8, 10	$2+4+6+8+10 = 30$	$15 \times 2 = 30$

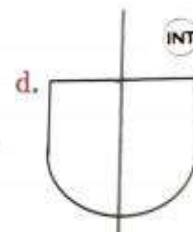2. Circle the letter that should come next in the pattern.

BABABABABABABABABABAB	(A)	B	C
ABBABBABBABBABBABB	(A)	B	C
CABCABCABCABCABCABCA	A	(B)	C
AABCAABCAABCAABCAAB	A	B	(C)
ABCCABCCABCCABCCABCCAB	A	B	(C)

Exercise 8.4

1. Draw the line of symmetry for the following.

a. b. c. d.

e. A f. E g. M h. X
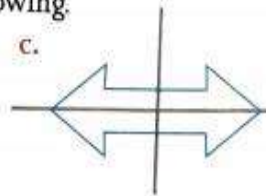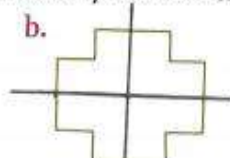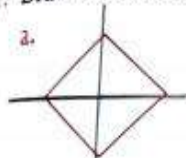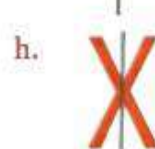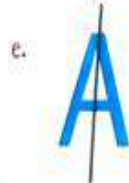
2. Use colours to make a symmetrical pattern. (H·W)
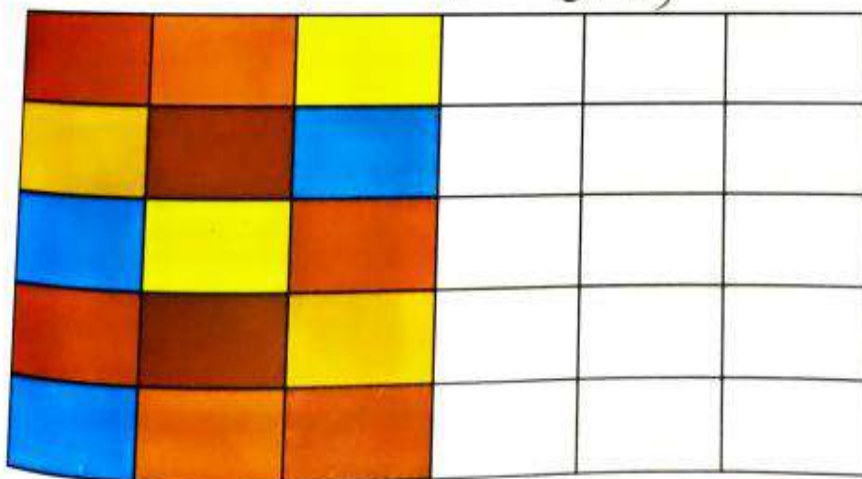
COMPETENCY BASED QUESTIONS

1. What are the missing numbers in the pattern? 34, ___, 42, 46, ___, 54

Ans: The rule of the pattern is to add 4

34 + 4 = 38

38 + 4 = 42

42 + 4 = 46

46 + 4 = 50

50 + 4 = 54

2. How many lines of symmetry does the following figure have?
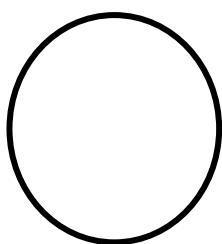
Ans: Infinite (many , uncountable)

3. Observe the pattern and continue it.

10AB , 20BC , 30CD , 40DE, _____ , _____ ,_____

Ans : 50 FG, 60 HI, 70 JK,

4. Draw lines of symmetry for the following Alphabets?
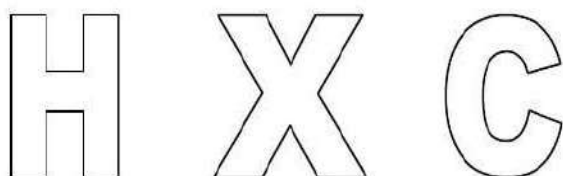
Ans
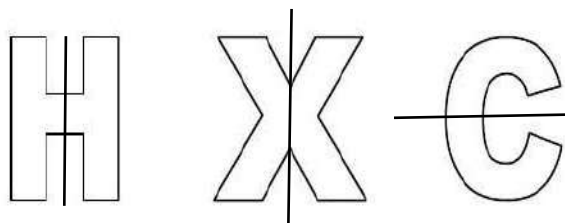
5. Complete the pattern: 110, 120, 130, _____, _____, _____

Ans: 140 , 150, 160

DELHI PUBLIC SCHOOL GANDHINAGAR

CLASS: 3   SUBJECT: MATHS

ACADEMIC SESSION: 2024- 25

CHAPTER 5: DIVISION

SEPTEMBER & OCTOBER MONTH

➢ Division is repeated subtraction.
➢ Dividend: The number that is to be divided.
➢ Divisor: The number that is used to divide the dividend into equal parts.
➢ Quotient: The number that we get after dividing the dividend by the divisor.
➢ The sign used for division is ÷
➢ The answer of division is quotient.
➢ Dividend ÷ divisor = quotient

EXERCISE:5.1

1. **Solve the given problems using repeated subtraction method**.

    a) $18 \div 6 = 3$

    c) $28 \div 4 = 7$

    d) $35 \div 5 = 7$

2. **Say Yes or No for each statement. Write the correct answer for the incorrect statement in the blanks**.

    a) $36 \div 4 = 8$ No correct answer is 9

    c) $56 \div 7 = 9$ No correct answer is 8

3. **Help Manisha and her friends solve these garden puzzles.**

    a) There are 15 butterflies in total in a garden. On one flower, there are 3 butterflies each. How many flowers are there in the garden?

Solution : Number of butterflies = 15

Number of butterflies on one flower = 3

Number of flower = 15 ÷ 3 = 5

Ans : There are 5 flowers in the garden.

EXERCISE 5.2

1. Match the following with the correct term.

a) 24 ÷ 8 , here the quotient is	i) 9
a) 21 ÷ 3 , here the dividend is	ii) 4
a) 49 ÷ 7, here the remainder is	iii) 21
a) 81 ÷ 9 , here the quotient is	iv) 0
a) 36 ÷ 4 , here the divisor is	V) 3

a) v   b) iii c) iv d) i e) ii

EXERCISE 5.3(omitted)

EXERCISE 5.4

1. Fill in the blanks.

a) If 30 ÷ 5 = 6, then 6 x 5 = _30_

c) If 56 ÷ 7 = 8, then _8_ x 7 = 56

e) If 20 ÷ 5 = 4, then 20 ÷ 4 = _5_

3. Vasu gave 20 biscuits to 4 dogs to eat. Each dog got 5. If he to give 30 biscuits to 5 dogs, then how many biscuits will?

Solution:

Number of biscuits = 30

Number of dogs = 5

Number of biscuits each dog got = 30 ÷ 5

$$= 6$$

EXERCISE 5.5

1. Divide.

a)

	0 6	
7	4 2	
--	4 2	
	0 0	

d)

	2 1	
4	8 4	
--	8	
	0 4	
-	4	
	0	

e) 50 ÷ 5 (H.W)

2.Divide the following using long division method. Write the quotient and the remainder.

a)

	0 4	
5	2 4	
--	2 0	
	0 4	

Quotient = 4   Remainder = 4

c)

	1 1	
7	8 1	
--	7	
	1 1	
-	7	
	0 4	

Quotient = 11   Remainder = 4

e) 89 ÷ 8 (H.W)

3. Fill in the blanks.

a) $85 \div 6$ gives quotient = 14 remainder = 1

c) $26 \div 7$ gives quotient = 3   remainder = 5

d) $89 \div 4$ gives quotient = 22 . remainder = 1

4. Match the following with their remainder.

a) $34 \div 3$	i 0
b) $29 \div 8$	ii 4
c) $16 \div 4$	iii 1
d) $70 \div 6$	iv 5

a) iii   b) iv   c) i   d) ii

EXERCISE 5.6

1. Divide

a) $648 \div 8$

	0	8	1
8	6	4	8
-	0		
	6	4	
-	6	4	
	0	0	8
-			8
			0

Quotient = 81   Remainder = 0

c) $528 \div 3$

		1	7	6
3		5	2	8
-		3		
-		2	2	
		2	1	
		0	1	8
-			1	8
			0	0

Quotient = 176   Remainder = 0

d) $724 \div 4$

2.Divide the following using long division method. Write the quotient and the remainder.

b) $261 \div 6$

	0	4	3	
6	2	6	1	
-	0			

d) $956 \div 9$

	2	6		
-	2	4		
	0	2	1	
-		1	8	
		0	3	

	1	0	6
9	9	5	6
-	9		
	0	5	
-		0	
	0	5	6
-		5	4
	0	0	2

Quotient = 43   Remainder = 3   Quotient = 106   Remainder = 2

3. Solve the following and connect the arrows.

a) $619 \div 7$ Quotient = 304   No Remainder

b) $831 \div 4$ Quotient = 88   Remainder = 3

c) $912 \div 3$ Quotient = 207   Remainder = 3

4. Rushla had 194 crayons. She distributed them to 4 of her friends. The crayons that were left, she kept with herself. Help her find the; dividend , divisor ,quotient and remainder

	0	4	8
4	1	9	4
-	0		
	1	9	
-	1	6	
	0	3	4
-		3	2
		0	2

dividend = 194   divisor = 4   quotient = 48 and remainder =2

EXERCISE 5.7 (omitted)

EXERCISE 5.8

 1. Using properties of division, solve the following.

  a) $45 \div 1 = 45$ c) $0 \div 3 = 0$

  b) $78 \div 78 = 1$ d) $0 \div 811 = 0$

2. Fill in the blanks with the correct answer.

b) Joya has 60 chocolates for 60 days, so far 1 day she has ___
chocolates.

Ans 60 ÷ 60 = 1

c) It is ____ possible to get 3 as an answer if we divide 34 by 34.

Ans Not

2. What quotient do we get on dividing 99 by 1?

  a. 1   b. 4   c. 99   d. 0

Ans c. 99

3. What happens when we divide 600 by 600?

   a. We sometimes get 1.

   b. We always get 1.

   c. We get a magic candy from Santa.

Ans b. We always get 1.

4. How do we quickly solve this- 0 ÷ 10?

   a. We use number line.

   b. We use long division.

   c. We know it is 0 from properties of division

Ans c. We know it is 0 from properties of division

EXERCISE 5.9

1. **State True or False**.

   a) Any number divided by 10 leads to 1 being the answer. _____

   Ans: False

   b) 450 ÷ 10 will give 45 as the remainder. _____

   Ans: False

   c) 5610 ÷ 10 = 561. _____

   Ans: True

2. **Help Froggie to quickly divide the following division sums**.

   a) 254 ÷ 10: Quotient = _____, Remainder = _____.

   Ans: Q =25, R = 4

c) 5119 ÷ 10: Quotient = _____, Remainder = _____.

Ans: Q = 511, R = 9

d) 8440 ÷ 10: Quotient = _____, Remainder = _____.

Ans: Q = 844, R = 0

EXERCISE 5.10

1. I have 18 balloons. I tie equal number of balloons on 3 poles. How many balloons does each pole have?

    Solution:

    Number of balloons = 18

    Number of poles = 3

    Number of balloons each pole have = 18 ÷ 3

    $$= 6$$

Ans ; Each pole have 6 balloons.

4. Jojo has a book with 1845 pages. Every chapter has the same number of pages. There are 9 chapters in total. How many pages are there in each chapter?

    Solution:

    Number of pages in a book = 1845

    Number of chapters = 9

    Number of pages in a chapter = 1845 ÷ 9

    $$= 205$$

Ans: There are 205 pages in each chapter.

7. Junaid has 3570 light bulbs. He wants to make 7 light strings with an equal number of bulbs. How many bulbs should he use in 1 light string?

    Solution:
    Number of light bulbs = 3570
    Number of light strings = 7
    Number of bulbs used in 1 light string = 3570 ÷ 7
    $$= 510$$

Ans: Junaid used 510 bulbs in 1 light string.

COMPETENCY BASED QUESTIONS

CHAPTER 5 : DIVISION

1. The dividend for the given division fact is _____

   $72 \div 8 = 9$

Ans : 72

2. Read the following statement and choose the correct option.

Statement A: $366 \div 366 = 1$

Statement B: When zero is divided by any number the answer is zero

a) Statement A is correct B is wrong

b) Statement B is correct A is wrong

c) Both the statements are correct

d) Both the statements are wrong

Ans: c) Both the statements are correct

3. Match the following.

   1) $81 \div 9$ a) 7

   2) $64 \div 8$ b) 9

   3) $49 \div 7$ c) 8

 Ans 1 b   2 c   3 a

4. If divide the greatest 3 digit number by 3, the answer is_____

Ans 333

5. 12 apples : 4 bowls . How many apples in each bowl?

Ans: 3 bowls

REFLECTION BASED ON EL

1. I learnt terms of division and properties of division.

2. I learnt to Divide 2 and 3- digit numbers by 1- digit number.
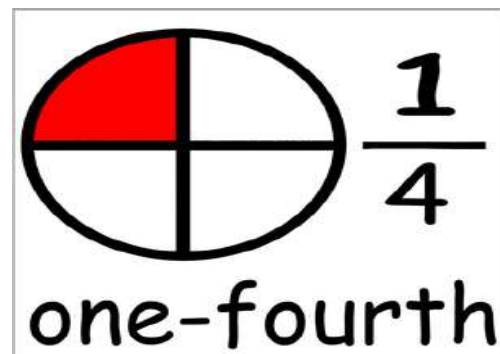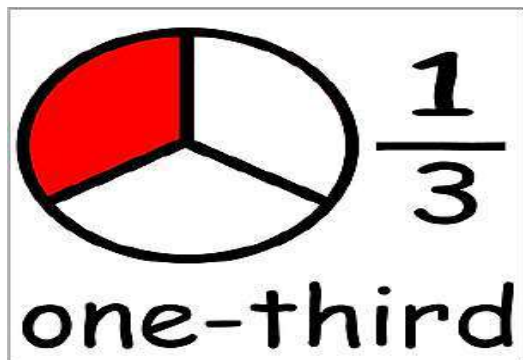
Google form link:

https://forms.gle/g91q1UrfivinkTGz8

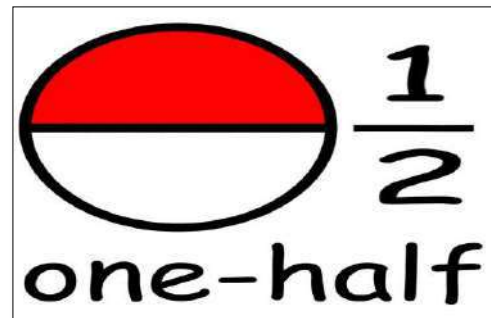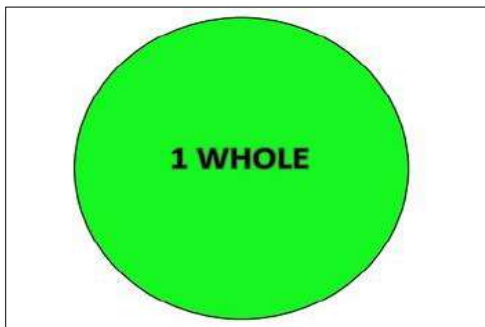# Chapter -6 Fractions

DEFINITIONS:-

1. **Fraction** is a number that expresses equal parts of a whole object.

2. The number above the fraction bar is called the **Numerator.**

3. The number below the fraction bar is called the **Denominator.**

REPRESENTION OF FRACTIONS:
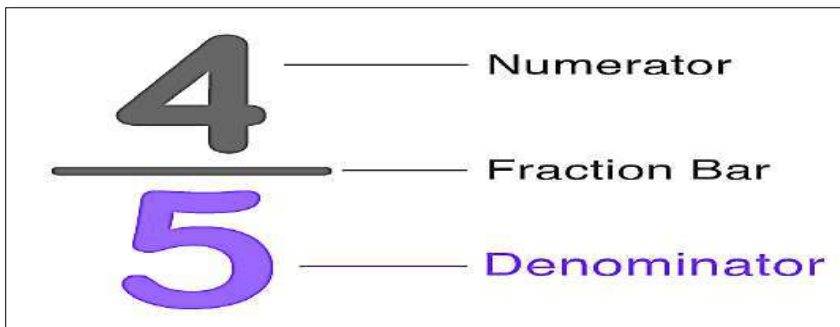
TEXTBOOK WORK:

Exercise 6.1

1. Identify which of the following figures represents the shaded region as given below

a. Half $\frac{1}{2}$

b. Quarter $\frac{1}{4}$

c. One-third $\frac{1}{3}$

d. Whole

84
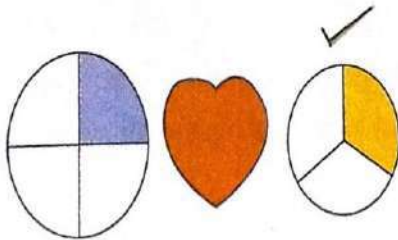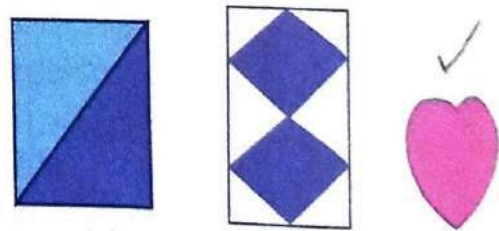
2. Colour the figure to represent the given fractions.
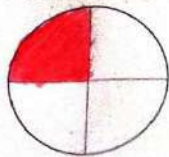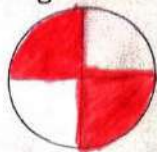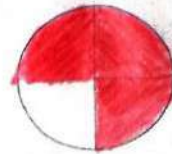
 $\dfrac{1}{4}$ $\dfrac{2}{4}$ $\dfrac{3}{4}$
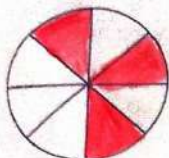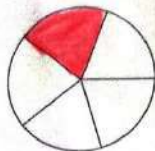
 $\dfrac{3}{8}$ $\dfrac{1}{5}$ $\dfrac{2}{3}$
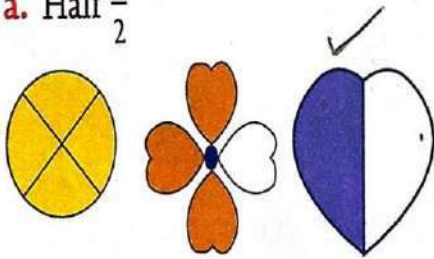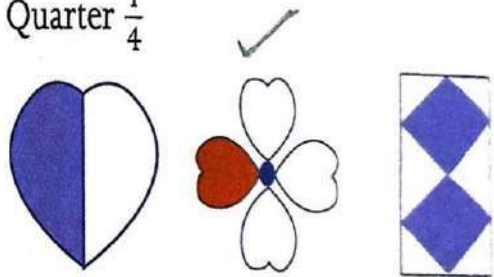
3. Write down what fraction of the figure is painted.

	$\dfrac{2}{7}$	$\dfrac{3}{7}$	$\dfrac{1}{7}$	$\dfrac{1}{7}$
	$\dfrac{2}{20}$	$\dfrac{6}{20}$	$\dfrac{9}{20}$	$\dfrac{3}{20}$
	$\dfrac{4}{14}$	$\dfrac{2}{14}$	$\dfrac{4}{14}$	$\dfrac{4}{14}$
	$\dfrac{1}{7}$	$\dfrac{1}{7}$	$\dfrac{2}{7}$	$\dfrac{3}{7}$

4. Match the fraction cloud with the correct number name by colouring them alike.

a $\dfrac{3}{7}$ b $\dfrac{6}{8}$ c $\dfrac{4}{6}$ d $\dfrac{2}{3}$ e $\dfrac{1}{5}$ f $\dfrac{1}{4}$
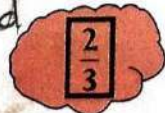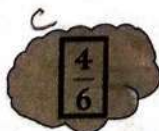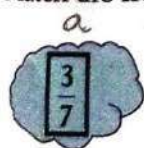
Four-sixths – c

Two-thirds – d

One-fifths – e

One-fourths – f   Three-sevenths – a   Six-eighths – b

Fraction as a Part of a Collection

Do you know that a fraction is an equal part of a whole?

Yes, but a fraction could also be a part of a collection. For example, an egg from a pack of 6.

A collection is a group of things together.

This is a collection of 7 candles.

How many green candles are there? **3**

So, the fraction used to represent green candles will be written as $\frac{3}{7}$.

How many red candles are there? ...**3**...

So, the fraction used to represent red candles will be written as ...$\frac{3}{7}$... .

Exercise 6.2

1. Which part of the set do the coloured objects represent? Circle the correct option.

a. { 🌼 🌼 🌼 ❋ } $\frac{1}{3}$ $\boxed{\frac{3}{4}}$ $\frac{1}{4}$

b. { ◣ ◣ ◣ ◻ ◻ } $\frac{2}{3}$ $\boxed{\frac{3}{5}}$ $\frac{1}{2}$

c. { B B B B B B } $\boxed{\frac{3}{6}}$ $\frac{3}{7}$ $\frac{1}{3}$

d. { ▬ ▬ ▬ ▬ ▭ ▭ ▭ ▭ } $\frac{4}{4}$ $\frac{4}{8}$ $\frac{1}{4}$

e. { ◣ ◣ ◣ ◣ ◣ ◣ ◿ } $\frac{1}{7}$ $\frac{1}{6}$ $\boxed{\frac{6}{7}}$

f. { 🔺 🔺 🔺 🔺 } $\boxed{\frac{2}{4}}$ $\frac{2}{3}$ $\frac{1}{3}$

2. Shade the following pictures to represent the given fraction.

a. $\frac{3}{4}$

b. $\frac{4}{7}$

c. $\frac{5}{8}$

d. $\frac{2}{9}$

Exercise 6.3

Colour the given parts and represent the following in fractional forms. Also, write the numerator and denominator for the following fractions.

1.

Five parts $\frac{5}{8}$ — 5-Numerator, 8-Denominator
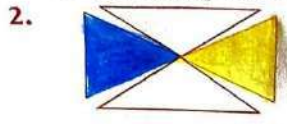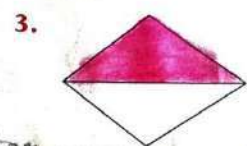
2.

Two parts $\frac{2}{4}$ — 2-Numerator, 4-Denominator

3.

One part $\frac{1}{2}$ — 1-Num..., 2-...

4.

Three parts $\frac{3}{4}$ — 3-Numerator, 4-Denominator

5.
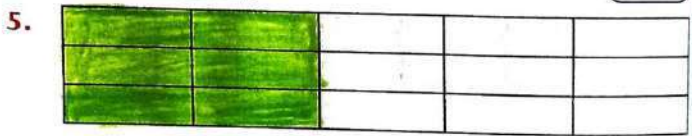
Six parts $\frac{6}{15}$ — 6-Numerator, 15-Denominator

Exercise 6.4

Solve the following and colour to represent the answer.

1.
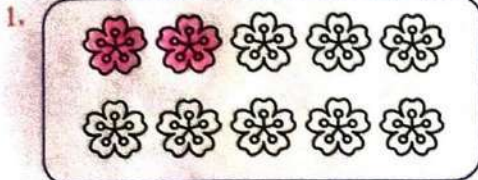
$\frac{1}{5}$ of 10 snowflakes $10 \div 5 = 2$

2.

$\frac{1}{2}$ of 12 flowers $12 \div 2 = 6$

3.
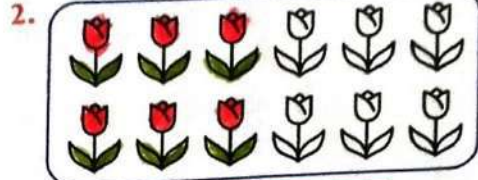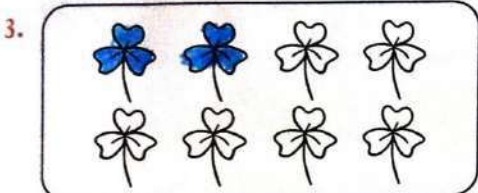
$\frac{1}{4}$ of 8 shamrock leaves $8 \div 4 = 2$

4.

$\frac{1}{8}$ of 8 leaves $8 \div 8 = 1$

5.

$\frac{1}{2}$ of 4 bees $4 \div 2 = 2$

6.
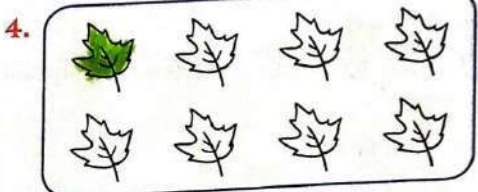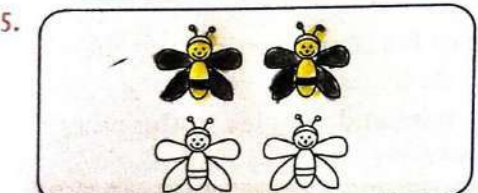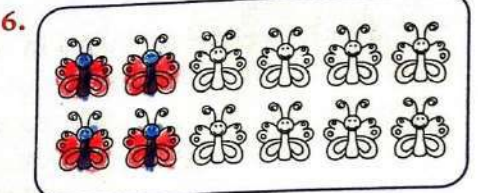
$\frac{1}{3}$ of 12 butterflies $12 \div 3 = 4$

CBE QUESTIONS :-

1. In a class there are 30 students.$\frac{1}{2}$ of the class are boys, then how many number of boys in the class?

Ans: $\frac{1}{2}$ of 30

   30 ÷ 2 = 15

   There are <u>15 boys</u> in the class.

2. Ryan was very hungry, so he ate 5 out of 8 pancakes. What portion of total pancakes did he eat? Represent in fraction form.

Ans: $\frac{5}{8}$

3. _____ halves make a whole.

Ans: **2**

4. In the given table, number of passengers travelled in a bus is given.

Men	Women	Children
12	10	5

a) Write the fraction of women compared to total number of passengers?
   Total passengers = 12+ 10+ 5 = 27
   Fraction of women in the bus = $\frac{10}{27}$

b) Write the fraction of men and children compared to total number of passengers?
   Number of men and children = 12+5 =17
   Fraction of men and children in the bus = $\frac{17}{27}$

5. _____ quarters make a whole.

Ans: **4**

Google form:

https://forms.gle/6aifeKCK5QZBp8Qq7

DELHI PUBLIC SCHOOL, GANDHINAGAR

CLASS: 3   **SUBJECT: MATHS**

Academic Session 2024-25
AUGUST MONTH

CHAPTER 4 MULTIPLICATION (CONTINUE)

Comptency Based Questions:

1. The same number has to be put in BOTH the boxes below. What is the number?

   Fill in the blank

3	x	27	=	**9**	x	**9**	

2. Fill in the missing alphabets:

   x

H	T	O
	2	5
	1	4
1	A	0
2	5	0
B	5	0

   Ans: A = 0, B = 3

3. Fill in the blank:

   380 x **0** = 0

4. What is the product of face value and place value of digit 3 in 4379?

   Ans: 300 x 3 = 900

5. Fill the correct number:

   7 x 5 = **5** x 7

Reflection:

- I have learnt: -
- Multiplication of a 2- and 3-digit number by a 1- and a 2-digit number.
- Multiplication by 10, 100,1000.
- Properties of multiplication.

CHAPTER 7 GEOMETRY

Exercise 7.1

1. Cross out (x) the numbers which are made up of only straight lines, tick (1) the numbers which are made up of only curved lines and circle the numbers which are made up of both straight and curved lines.

2. Colour the horizontal lines blue, slanting lines red, vertical lines orange and curved lines green. Also write down the number of lines in the given picture.

Number of horizontal lines = **1**

Number of vertical lines = **2**

Number of slanting lines = **6**

Number of curved lines = **5**

Plane Shapes

The shapes which have only 2 dimensions – length and width – are called plane shapes or 2-dimensional shapes. For example, triangle, rectangle, square, circle and oval are all plane shapes or 2-dimensional shapes.

Every plane shape has sides and corners.

The lines that form a shape are known as **sides**.

The point at which two sides meet is a **corner**.

Let us take a look at plane shapes and their attributes.
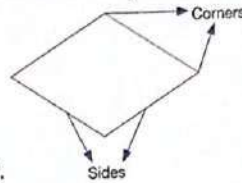
SQUARE
4 equal sides
4 corners

RECTANGLE
4 sides (opposite sides are equal)
4 corners

TRIANGLE
3 sides
3 corners

CIRCLE
No sides
No corners

OVAL
No sides
No corners

Name the plane shapes which are made of curved lines and shapes which are made of straight lines.

Here, all the given real-life examples have a common shape.

The shape is a ....

We know that a circle is a closed shape with no sides or corners.

Terms Related to Circle

The outline or the boundary of a circle is called **circumference**.

The distance between any point on the circumference and the centre is called the **radius** of the circle.

A straight line that runs from one end of the circle to its opposite end is called the **diameter** of the circle.
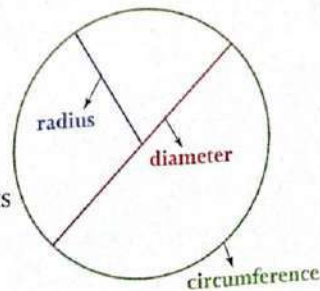
In all the figures given above, the ends meet. So, they are called closed figures. If the ends do not meet and the figures are open, they are called open figures.

Exercise 7.2

1. Who am I?

a. All my sides are equal. **Square**

c. My opposite sides are equal. **Rectangle**

b. I look like a mountain. **Triangle**

d. I am round. **Circle**

2. Complete the given table.

	Number of sides	Number of Corners
Circle	0	0
Triangle	3	3
Rectangle	4	4
Oval	0	0
Square	4	4

3. Fill in the blanks.

a. The length of the boundary of the circle is called its **circumference.**

b. The fixed distance between the centre and any point on the circle is called the **radius** of the circle.

c. A circle is made up of **curved** lines.

d. The point at which two sides meet is called **corner.**
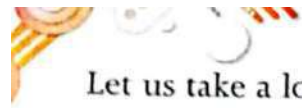
Let us take a look at these solid shapes and their attributes.

CUBE
6 flat faces
12 edges
8 vertices
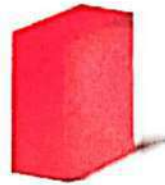
CUBOID
6 flat faces
12 edges
8 vertices

SPHERE
1 curved
0 edges
0 vertice

CYLINDER
2 flat faces
1 curved face
2 edges
0 vertices

CONE
1 flat face
1 curved face
1 edge
1 vertex

Exercise 7.3

1. Fill in the blanks.

a. The three dimensions in a solid shape are known as **length**, **width** and **height.**

b. The point at which two edges meet is known as **vertex.**

c. The line at which the faces meet is called **edge.**

d. A cuboid has **6** faces, **12** edges and **8** vertices.

2. Complete the table.

	faces	edges	vertices
Cube	6	12	8
Sphere	1 curved	0	0
Cone	1 flat, 1 curved	1	1
Cuboid	6	12	8
Cylinder	2 flat, 1 curved	2	0

Point, Line, Line Segment and Ray

A *point* is an exact location on a plane represented by a dot. A point is always referred by a capital letter, say point A, B, P, C.

A
•

B
•

•P

•C

...ine is a straight path which can be extended in both directions. A line is ...resented by a small letter, say e.

...ine segment is a part of a line which has a starting point and an ending point.

A
•
AB
B
•

...is represented by two capital letters, say, $\overline{AB}$.

...ray is a part of a line which has a starting point but no ending point. It is also ...presented by two capital letters, say AB but with a different symbol above the letters.

$\overrightarrow{AB}$

B

A

The starting point of a ray is always read first.

Exercise 7.4

1. Fill in the blanks.

a. A **point** is an exact position or location on a plane surface.

b. A figure which has only length but no width and can be extended endlessly in both directions is a **line.**

c. A portion of line which has two end points is called a **line segment.**

d. The following diagram is represented as ray $\overrightarrow{AB}$

A

B

e. A ray is a part of a **line.**

2. Take a square dot grid sheet and draw a line segment, a curved line, slanted/diagonal lines using different coloured sketch pens.

To be done in practice notebook.

<u>**Competency Based Questions**</u>

1. This is a shape of a rectangle.

It has 4 corners. Name one another shape which has exactly four corners. Draw the shape.

Ans: Square

2. Identify the shape and write its faces, edges and vertices.
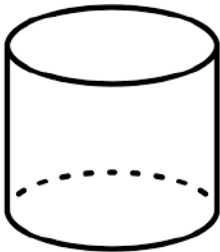
Number of faces = **2 flat, 1 curved**

Number of edges = **2**

Number of vertices = **0**

3. Name the shape of shaded face.
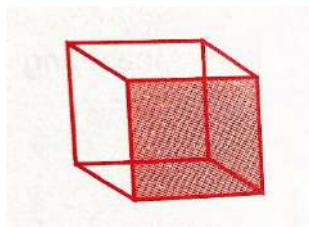
4. Which of these have exactly 5 corners?

(A)   (B)   (C)   (D)
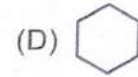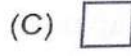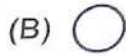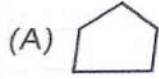
Ans: (A) Pentagon

5. Which of the following is a 3-D shape?

(A)   (B)   (C)   (D)

Ans: (D) Cone

Exercise 10.1

1.

Quarter past 10

Quarter to 2

Quarter to 5

Quarter past 7

12:15
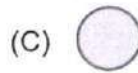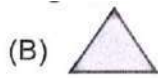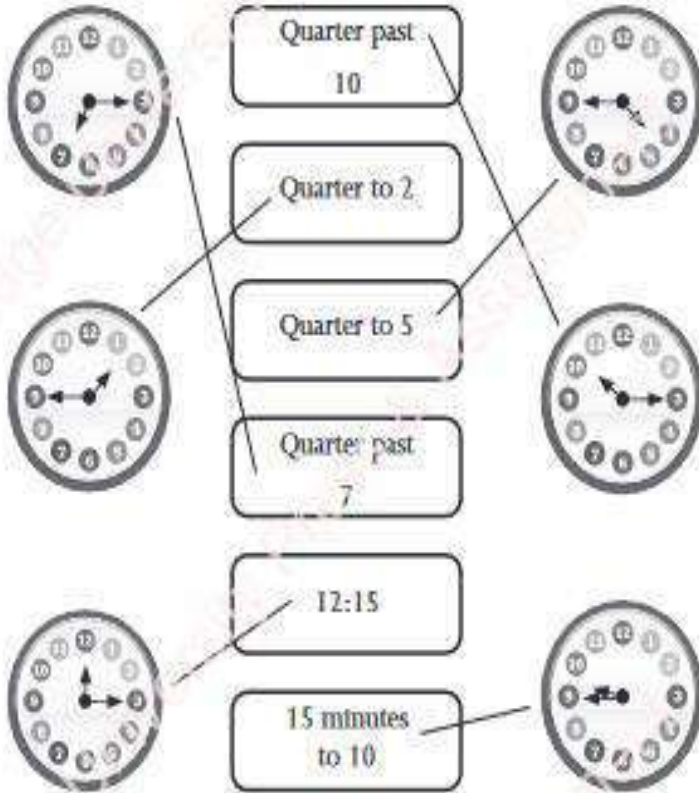
15 minutes to 10

2.

a.

Quarter past 9

b.

15 minutes to 7

c.

6: 15

d.

15 minutes past 1

e.

4:45

f.

Quarter to 4

1. Read the clocks and write the time correctly.

a.

8:20

b.

5:50

c.

12:10

d.

10:40

e.

5:55

f.

11:35

2. Read the statements and draw the hands showing the end time on the clock face.

John's class begins at 8 o'clock. The class is 35 minutes long. When will his class be over?

Jaideep works in his garden for 30 minutes every day. He starts at 5 o'clock. At what time will he finish his work?

Rita goes swimming at 4 o'clock. She swims for 45 minutes. When does her class end?
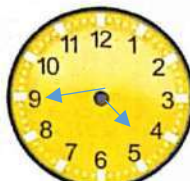
Manisha is baking a cake for the family. She kept the batter in the oven at 11 o'clock. It will take 35 minutes to cook. When will it be ready?

Exercise 10.3

Refer to the calendar and answer the following questions.

1. How many days are there in the month of May 2022?
   31 days

2. The number of Tuesdays in the whole month is   5

MAY						2022
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

3. What is the date on the third Friday of the month?
   20th May

4. What date is the fourth Thursday of the month?   26th May

5. How many Sundays are there in the month of May?   5

6. What is the day on the 1st of May 2022?   Sunday

7. Which month comes after May?   June

8. On which dates do the second and fourth Saturdays fall?   14th May, 28th May

Exercise 10.4

Write YES or NO.

10 October 2010 is written as 10/10/2010	14 February 2021 is written as 2021/14/02	31 August 2015 is written as 08/2015/31	22 September 2009 is written as 09/22/2009
Yes	No	No	No

Competency Based Questions

1. 8 July 2014 is written as:

a. 07/18/2014   b. 18/07/2014   c. 2014/07/18   d. 2014/18/07
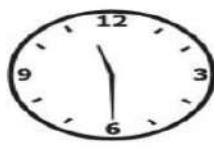
2. When showing the sign of quarter past, the minute hand completes how many quarters of the clock?

a. 1   b. 2   c. 3   d. 4

3. Sarthak went to the park for 30 minutes at the time shown. What time will it be when he returns?

a. 5:00   b. 4:55   c. 5:10   b. 5:15

4. If it is 10.30 am now, where will the hands of a clock be ONE HOUR from now?

5. "If the MINUTE hand of a clock is at 6, the time shown by the clock could be".

a. 09:20   b. 12:00   c. 02:30   d. 06:00

Reflection:

I have learnt: -

- Quarter past and quarter to
- Telling time to 5 minuts correctness
- Writing date
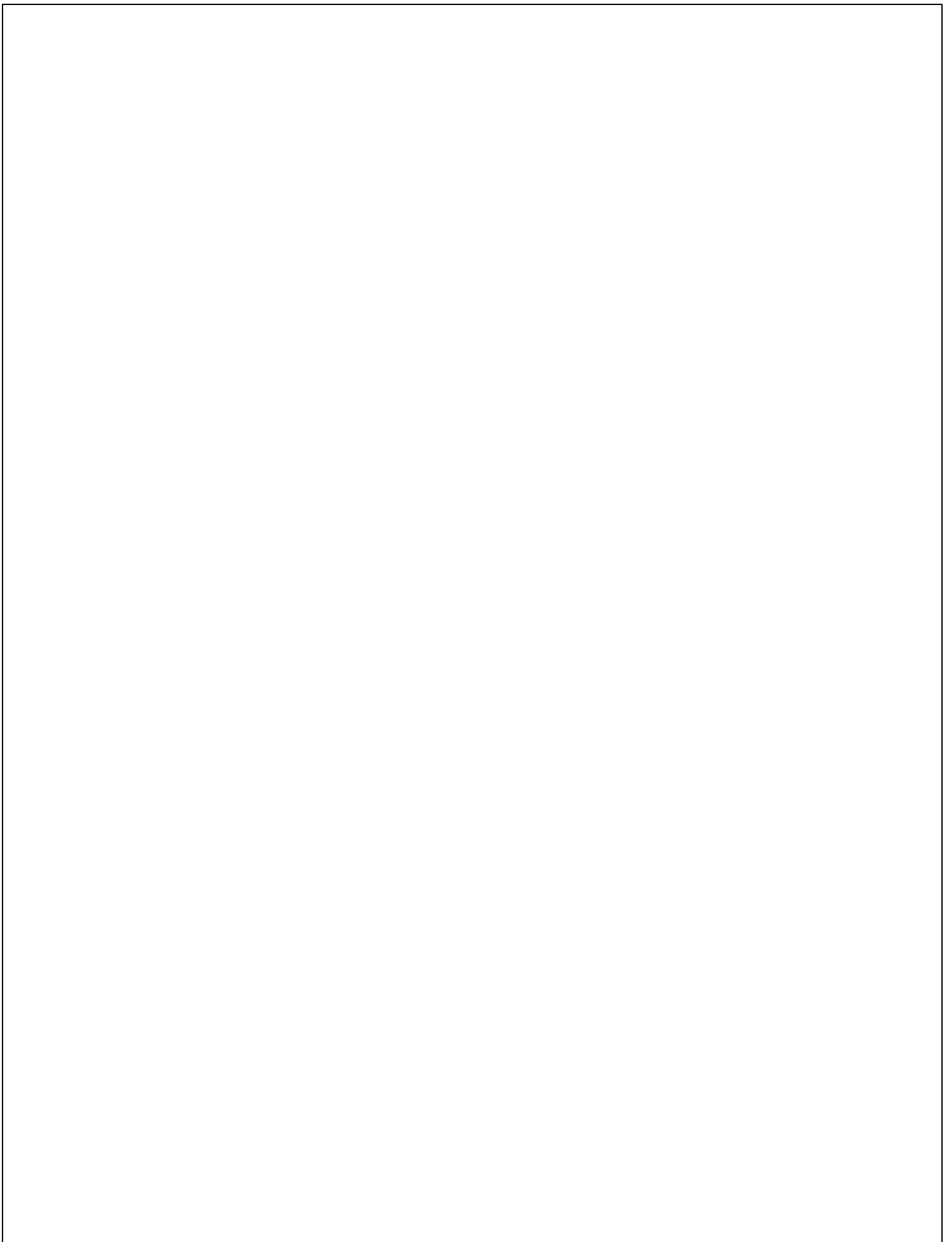
CLASS: 3   **SUBJECT: MATHS**

Academic Session 2024-25
JULY MONTH
CHAPTER 3 SUBTRACTION (CONTINUE)

Exercise 3.4

1. Subtract the numbers.

a.

	Th	H	T	0
		6	14	
	9	7	4	6
-	8	2	9	4
	1	4	5	2

c.

	Th	H	T	0
		7	9	10
	4	8	0	0
-	1	1	1	4
	3	6	8	6

e.

	Th	H	T	0
			2	15
	4	2	3	5
-	1	2	1	9
	3	0	1	6

2. Subtract to choose the correct option. (TEXTBOOK)

4038 – 2574	**1464**
8527 – 375	**8152**
7800 - 1786	**6014**

6014	1464	8152

Exercise 3.5

Subtract and check your answer.

1.

	Th	H	T	0
	2	9	12	10
	3	0	3	0
-	1	3	8	8
	1	6	4	2

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

3.

	Th	H	T	0
		8	13	
	7	9	3	8
-	5	8	9	8
	2	0	4	0

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

Properties of Subtraction (ONLY EXPLANATION)

If we subtract zero from a number, then the answer is the number itself. For example, 2324-0 = 2324.

If we subtract a number from the same number, then the answer is always zero '0'. For example, 6435-6435 = 0.

If we subtract 1 from a number, then the answer is the predecessor of the given number. For example, 2499 – 1 = 2498.

Exercise 3.6

1. Solve the following.

a. 950 – 950 = **0**

d. 4000 – 0 = **4000**

e. 1276 – 1 = **1275**

2. State True or False.

a. 6050 – 6050 = 6050 **False**

d. 2097 – 2097 = 0 **True**

f. 9999 – 1 = 9999 **False**

Word Problems (Scientific Proficiency) (Strategic competence)

To solve any word problem, we apply **UPDC** strategy.

UDPC Strategy
U – **UNDERSTAND**: Read and think about the problem.
P – **PLAN**: Decide which operation you should use to solve the problem.
D – **DO**: Solve the problem with the planned operation.
C – **CHECK**: Always recheck your answer.

In a school, there are 3926 students. If 1572 students are girls, how many boys are there in total?

Total students $=$ 3926
Number of girls $= -$ 1572
Number of boys $=$ 2354

Thus, there are 2354 boys in the school.

Exercise 3.8

1. There are 245 bird families living near the mountains. If 132 bird families flew away for the winter, how many bird families are left near the mountains?

Solution:

Number of bird families living near the mountains = 245

Number of bird families flew away for the winter = 132

Number of bird families left near the mountains = 245 - 132

Ans: 113 bird families are left near the mountains.

4. There were 590 passengers on a ship. Out of them, 380 were adults. How many children were present on the ship?

Solution:

Number of passengers on a ship = 590

Number of adults = 380

Number of children = 590 - 380

Ans: 210 children were present on the ship.

5. Jim has 1256 cupcakes in his shop. He gave away 257 cupcakes
to one customer and 349 cupcakes to another customer. How
many cupcakes remain with Jim now?

Solution:

Number of cupcakes in his shop = 1256

Total number of cupcakes he gave away to customers = 257 + 349

Ans: 650 cupcakes remain with Jim now.

9. In a mega store, there were 4680 bags of sugar, but the supplier
delivered only 2724 bags on Monday. On Tuesday, he was
supposed to deliver the rest of the bags. How many bags were
supposed to be delivered on Tuesday?

Solution:

Number of bags of sugar in a mega store = 4680

Number of bags delivered on Monday = 2724

Number of bags supposed to be delivered on Tuesday = 4680 - 2724

Ans: 1956 bags were supposed to be delivered on Tuesday.

CBE QUESTIONS

Q1. Find 100 less than the smallest 4-digit number.

Ans: 1,000 – 100 = 900

Q2. The difference between 456 tens and _____ is 2456. What number should come in the
blank?

Ans: 456 tens = 4560

4560 – 2456 = 2,104

Q3. Compare the following: (Put the sign < , > , =)

4 thousands 3 hundreds 2 tens 6 ones > 4 thousands 3 hundreds 1tens 6 ones

Ans: 4326 > 4316

Q4. Subtract the smallest 4-digit number from the greatest 4-digit number.

Ans: 9,999 – 1,000 = 8,999

Q5. The difference of two numbers is 7200. If one of the numbers is 8000, what

will be the other number?

Ans: 8,000 – 7,200 = 800

CHAPTER 4 MULTIPLICATION

Introduction (EXPLANATION ONLY)

Multiplication is repeated addition. The number to be multiplied is known as the multiplicand. The number by which the multiplicand is multiplied is known as the multiplier. The answer that we get after multiplication is called the product.

T	O
2	3
×	3
6	9

→ **Multiplicand**
→ **Multiplier**

Product

Exercise 4.1

Fill in the blanks.

1. $7 \times 7 = \underline{49}$

2. $10 \times 9 = \underline{90}$

4. $4 \times 8 = \underline{32}$

6. $6 \times 7 = \underline{42}$

H.W. 8. $8 \times 9 =$

Exercise 4.2

Q.1. Multiply to fill in the missing numbers in the products.

a.

	H	T	O
		2	3
×			2
		4	6

c.

	H	T	O
		3	3
×			3
		9	**9**

d.

	H	T	O
		2	
		6	4
×			6
	3	**8**	4

Q.2. Harry solved these multiplication sums. He has made some mistakes. Find out the mistakes made and write the correct answers.

a.

	H	T	O
		6	5
×			5
	3	7	0

Correct answer

	H	T	O
		2	
		6	5
×			5
	3	**2**	5

d.

	H	T	O
		4	2
×			2
		4	4

Correct answer

	H	T	O
		4	2
×			2
		8	4

f. **H.W.**

Exercise 4.3

Q.1. Multiply the following sums.

a.

	H	T	O
	3	2	1
×			3
	9	6	3

c.

	H	T	O
	4	3	2
×			2
	8	6	4

f.

	H	T	O
	1	1	
	1	4	4
×			4
	5	7	6

2. Solve:

b. $321 \times 2 = \underline{\textbf{642}}$

	H	T	O
	3	2	1
×			2
	6	4	2

d. $264 \times 3 = \underline{\textbf{792}}$

	H	T	O
	1	1	
	2	6	4
×			3
	7	9	2

e. $427 \times 2 = \underline{\textbf{854}}$

	H	T	O
		1	
	4	2	7
×			2
	8	5	4

Exercise 4.4

Q.1. Multiply the following.

a. 33×22

	H	T	O
		3	3
×		2	2
	1	6	6
+	6	6	0
	7	2	6

d. 42×23

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

Q.2. Solve the following.

a.

	H	T	O
		2	1
×		1	2
		4	2
+	2	1	0
	2	5	2

c.

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

f.

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

Exercise 4.5

Q.1. Solve the sums.

a. 121×2

	H	T	O
	1	2	1
×			2
	2	**4**	**2**

d. 222×3

	H	T	O
	2	2	2
×			3
	6	**6**	**6**

f.

	Th	H	T	O
		2	**2**	
		5	5	5
×				5
	2	**7**	**7**	**5**

Q.2 Multiply the following.

a.

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

c.

	Th	H	T	O
		3	2	1
×			1	4
	1	2	8	4
+	3	2	1	0
	4	**4**	**9**	**4**

e.

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

Exercise 4.6

Multiply the following:

1. $12 \times 10 = $ **120**

2. $8 \times 100 = $ **800**

3. $24 \times 20 = $ **480**

4. $3 \times 1000 = $ **3000**

7. $2 \times 40 = $ **80**

8. $75 \times 30 = $ **2250**

11. $25 \times 1 = $ **25**

12. $571 \times 0 = $ **0**

Exercise 4.7

1. In a classroom, there are 13 tables. How many tables can be found in 3 classrooms?

   Solution:

Table in 1 classroom = 13

Table in 3 classrooms = 13×3

	T	O
	1	3
×		3
	3	**9**

Ans: 39 tables can be found in 3 classrooms.

5. There are 24 people seated in one row in the hospital waiting room. How many people can be found in 12 rows?

Solution:

Capacity of one row = 24

Capacity of 12 rows = 24 × 12

	H	T	O
		2	**4**
×		**1**	**2**
		4	8
+	2	4	0
	2	**8**	**8**

Ans: 288 people can be found in 12 rows.

7. An English textbook has 125 pages. How many pages can be found in 32 books?

Solution:

Number of pages in English textbook = 125

Number of pages in 32 such books = 125 × 32

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

Ans: 4000 pages can be found in 32 books.

DELHI PUBLIC SCHOOL, GANDHINAGAR

CLASS: 3   **SUBJECT: MATHS**

Academic Session 2024-25
JUNE MONTH
CHAPTER- 2
ADDITION

Exercise 2.1

1. Add the following.

a.

	H	T	0
	7	5	4
+	2	4	3
	9	**9**	**7**

c. H.W.

	H	T	0
	5	8	3
+	2	1	2
	7	**9**	**5**

e.

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

f.

	H	T	0
	4	2	3
	1	2	1
+	2	2	3
	7	**6**	**7**

2. Arrange the following in columns and add.

a. 432 + 231 = **663**

	H	T	0
	4	3	2
+	2	3	1
	6	**6**	**3**

d. 876 + 101 = **977**

	H	T	0
	8	7	6
+	1	0	1
	9	**7**	**7**

e. $622 + 125 + 231 = \underline{\textbf{978}}$

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

Exercise 2.2

1. Add the following.

a.

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

d.

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

f.

	Th	H	T	0
		5	8	3
+		5	1	2
	1	0	9	5

2. Tanmay wants to go on a cruise with his father. Help him choose a boat the sum of whose addends is an even number. (Textbook)

632 + 499	756 + 467	645 + 365	789 + 255
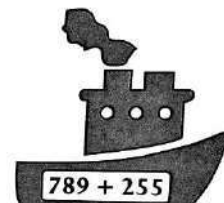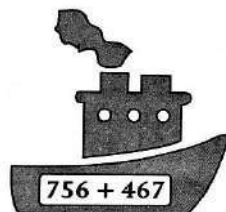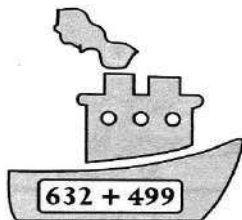
1,131	**1,223**	**1,010**	**1,044**

Ans: Tanmay can go in third and fourth boat on a cruise with his father.

Exercise 2.3

1. Add the following.

a.

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

c.

	Th	H	T	0
	5	0	5	0
+	2	2	4	1
	7	**2**	**9**	**1**

f.

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

2. Add:

a. 4106 + 1212

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

b. 7120 + 1269

	Th	H	T	0
	7	1	2	0
+	1	2	6	9
	8	**3**	**8**	**9**

f. 1000 + 8000

	Th	H	T	0
	1	0	0	0
+	8	0	0	0
	9	**0**	**0**	**0**

Exercise 2.4

1. Add the following.

a.

	Th	H	T	0
	1	1	1	
	4	5	6	7
+	2	5	5	4
	7	1	2	1

b.

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

f.

	Th	H	T	0
	1		1	
	5	8	0	9
+	2	2	2	1
	8	0	3	0

2. Add:

a. 4267 + 1293

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

d. 1289 + 3281

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

f. 7299 + 1728

	Th	H	T	0
	1	1	1	
	7	2	9	9
+	1	7	2	8
	9	0	2	7

Exercise 2.5

1. Fill in the blanks.

a. 2456 + 9876 = <u>9876 </u>+ 2456

b. 6543 + 0 = <u>6543</u>

c. 4567 + <u>8765 </u>= 8765 + <u>4567</u>

d. 5555 + 1 = <u>5556</u>

e. 0 + <u>4321</u> = 4321

f. 6342 + <u>1</u> = 6343

2. Write 'True' or 'False'.

a. 5678 + 0 = 5679 <u>False</u>

b. 999 + 1 = 998 <u>False</u>

c. 2345 + 5432 = 5432 + 2345 <u>True</u>

d. 7777 + 0 = 7777 <u>True</u>

e. 253 + 1 = 253 <u>False</u>

f. 5643 + 3452 = 3452 + 5644 <u>False</u>

Exercise 2.6

Read the problems carefully and solve the following.

1. There are 655 cherry trees and 454 plum trees in John's orchard. How many trees are there in total?
Solution:
Number of cherry trees = 655
Number of plum trees = 454
Number of trees in total = 655 + 454

	Th	H	T	0
		1		
		6	5	5
+		4	5	4
	1	1	0	9

Ans: There are 1109 trees are there in total.

2. There were 545 students in kindergarten in the year 2000. In the next year 748 more students joined the school. How many students are there now in total?
Solution:
Number of students in kindergarten in the year 2000 = 545
Number of more students in the next year = 748
Number of students in total = 545 + 748

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

Ans: There are 1393 students in total.

3. There are 562 potatoes, 205 tomatoes and 313 onions in a vegetable shop. How many vegetables are there in the shop in total?
Solution:
Number of potatoes = 562
Number of tomatoes = 205
Number of onions = 313
Number of total vegetables in total = 562 + 205 + 313

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

Ans: There are total 1,080 vegetables in the shop.

8. In a school library, there are 4500 English story books, 2527 Hindi story books and 2025 mental maths books. How many books are there in the library?
Solution:

Number of English story books in a school library = 4500
Number of Hindi story books in a school library = 2527
Number of mental maths books in a school library = 2025
Number of books are there in the library = 4500 + 2527 + 2025

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

Ans: There are 9,052 books in the library.

CBE QUESTIONS

1. Which number is 18 more than 62?

   (a) 80   (b) 70   (c)56   (d) 44

2. Select the correct option.

   84 is equal to?

   (a) 40 + 80   (b) 8 + 4   (c) 4 + 80   (d) 8 + 40

3. The next number in the series 105, 110, 115, 120, **125**, **130**

4. Which number should be written in the box below to make the number sentence correct?

   20 > ___ + 10

   (a) 5   (b) 10   (c) 15   (d) 20

5. Sum of the place values of two 5's in 3552 is **550.**

SEA: Birdie's perfect home

_____
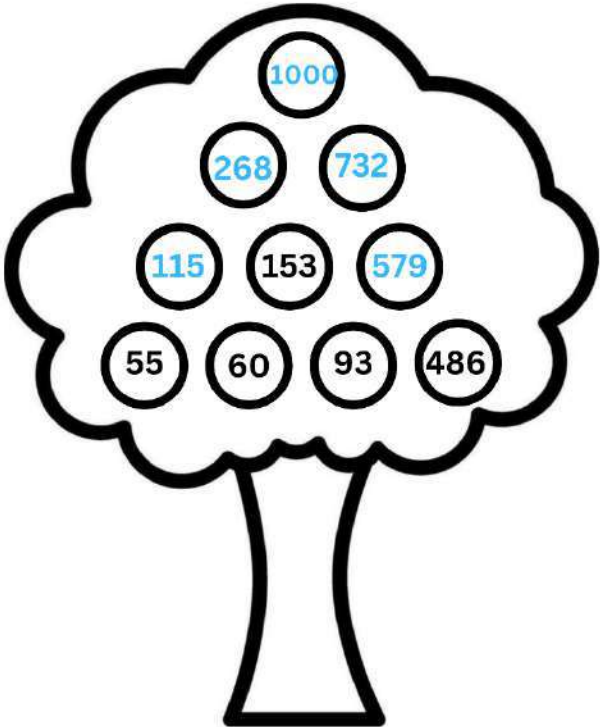
CHAPTER- 3
SUBTRACTION

ONLY EXPLANATION:

Subtraction means taking away a number from another number. It is represented by a symbol that looks like a small dash. It is called Minus (-).

Exercise 3.1

1. Subtract the following.

a.

	H	T	0
	2	8	2
-	1	6	0
	1	**2**	**2**

c. H.W.

	H	T	0
	9	9	8
-	8	0	5
	1	**9**	**3**

e.

	H	T	0
	4	6	8
-	2	6	0
	2	**0**	**8**

2. Match the following sums by colouring them alike. (**TO BE DONE IN TEXTBOOK**)

Exercise 3.2

1. Subtract the following.

a.

	H	T	0
	5	10	
	6	0	8
-	2	7	3
	3	**3**	**5**

c.

	H	T	0
	4	17	18
	5	8	8
-	1	9	9
	3	**8**	**9**

f.

	H	T	0
		7	15
	7	8	5
-	5	6	7
	2	**1**	**8**

2. Subtract the following.

a. 446 – 337

	H	T	0
		3	16
	4	4	6
-	3	3	7
	1	**0**	**9**

b. 734 – 328

	H	T	0
		2	14
	7	3	4
-	3	2	8
	4	**0**	**6**

e. 641 – 418

	H	T	0
		3	11
	6	4	1
-	4	1	8
	2	**2**	**3**

1. Subtract the following.

a.

	Th	H	T	0
	7	2	3	8
-	4	2	1	4
	3	**0**	**2**	**4**

d.

	Th	H	T	0
	5	4	2	9
-	3	2	1	2
	2	**2**	**1**	**7**

e.

	Th	H	T	0
	3	8	6	9
-	1	2	1	8
	2	**6**	**5**	**1**

2. Write the numbers in column and subtract.

a. 5475 - 2314

	Th	H	T	0
	5	4	7	5
-	2	3	1	4
	3	**1**	**6**	**1**

b. 6425 - 1414

	Th	H	T	0
	6	4	2	5
-	1	4	1	4
	5	**0**	**1**	**1**

f. 4674 - 2234

	Th	H	T	0
	4	6	7	4
-	2	2	3	4
	2	**4**	**4**	**0**

CLASS: 3   **SUBJECT: MATHS**

Academic Session 2024-25

CHAPTER- 1

NUMBERS

Exercise 1.1 (Notebook)

1. Write the given numerals in words.

a. 4205 – Four thousand two hundred five

c. 6500 – Six thousand five hundred

e. 3112 **H.W.**

2. Write the following numerals.

a. Six thousand fifty-four- 6,054

d. Three thousand seventy- 3,070

f. **H.W.**

3. Write the place value and the face value of the underlined digits.

Number	Place value of the underlined digits	Face value of the underlined digit
503**5**	5	5
15**00**	0	0
9930	9,000	9

4. Find the sum of the place values of 3s in 3234.

Ans: 3000 + 30 = 3,030

Exercise 1.2

Fill in the blanks.

1. 3564 = 3000 + 500 + 60 + 4
2. 5872 = 5000 + 800 + 2 +70
5. 9730 = 9 thousands + 7 hundreds + 3 tens
7. 6820 = 6 thousands + 2 tens + 8 hundreds + 0 ones
8. 2691 = 2 x 1000 + 6 x 100 + 9 x 10 + 1 x 1

Exercise 1.3

1. Compare the following using >, < or = sign.

a. 209 < 3819

c. 1201 = 1201

d. 7710 < 7727

e. 303 < 3030

2. Arrange the following numbers in ascending order.

   a. 3489   5689   5789   9989   3979
  Ans: 3489   3979   5689   5789   9989

  c. 3583   6682   6781   1189   8976
  Ans: 1189   3583   6682   6781   8976

3. Arrange the following numbers in descending order.

   a. 4532   6932   1546   7543
  Ans: 7543   6932   4532   1546

  d. 3097   2845   5628   7841
  Ans: 7841   5628   3097   2845

4. Form the greatest and the smallest 4-digit numbers when repetition of digits is not allowed.

a. 1, 5, 8, 9
Ans: Greatest 4-digit number: 9,851
    Smallest 4-digit number: 1,589

c. 2, 0, 6, 3
Ans: Greatest 4-digit number: 6,320
    Smallest 4-digit number: 2,038

5. Form the greatest and the smallest 4-digit numbers when repetition of digits is allowed only once.

a. 9, 1, 3
Ans:
Greatest 4-digit number: 9,931
Smallest 4-digit number: 1,139

c. 8, 6, 2 **H.W.**
Greatest 4-digit number: 8,862
Smallest 4-digit number: 2,268

d. 3, 1, 0
Greatest 4-digit number: 3,310
Smallest 4-digit number: 1,003

Exercise 1.4

1. Write the successor of the following numbers.

a. 2986
Ans: 2986 +1 = 2987

b. 5129

Ans: 5129 +1 = 5130

e. 1992 **H.W.**

2. Write the predecessor of the following numbers.

a. 1046
Ans: 1046 - 1 = 1045

d. 7000
Ans: 7000 -1 = 6999

e. 9500 **H.W.**

3. Complete the given table.

Predecessor	Number	Successor
3245	**3246**	**3247**
7830	7831	**7832**
6480	**6481**	6482

Exercise 1.5

1. Write down the even numbers between 1500 and 1520.
 Ans: 1502, 1504, 1506, 1508, 1510, 1512, 1514, 1516, 1518.

2. Write down the odd numbers between 3170 and 3180.
Ans: 3171, 3173, 3175, 3177, 3179

3. Complete the series.

a. 5440   5442   **5444**   **5446**   5448   **5450**

d. 9000   **9002**   9004   **9006**   **9008**   9010

4. Sort the given numbers as odd or even.

   6734, 5783, 9921, 3310, 5558, 1006, 6335, 2244, 9867, 4001

Odd Numbers	Even numbers
5783	6734
9921	3310
6335	5558
9867	1006
4001	2244

Exercise 1.6

1. Round off the following numbers to the nearest 10s.

a. 34
Ans: 3<u>4</u>
     Here, $4 < 5$
     So, 34 is rounded down to 30.

b. 75
Ans: 7<u>5</u>
     Here, $5 = 5$
     So, 75 is rounded up to 80.

d. 916 **H.W.**

Ans: 91<u>6</u>

     Here, $6 > 5$

     So, 916 is rounded up to 920.

2. Round off the following numbers to the nearest 100s.

a. 236

Ans: 2<u>3</u>6

     Here, $3 < 5$

     So, 236 is rounded down to 200.

c. 2103

Ans: 21<u>0</u>3

     Here, $0 < 5$

     So, 2103 is rounded down to 2100.

d. 1758

Ans: 17<u>5</u>8

     Here, $5 = 5$

     So, 1758 is rounded up to 1800.

Reflection:

    I have learnt:
- to find out place value and face value of 4-digit numbers.
- to find out the successor and predecessor of the given number.
- Round off numbers to the nearest 10s and 100s.

Competency based Questions:

1) Seventy-nine can be written as

  (a) $7 + 9$ (b) $7 + 90$ (c) $70 + 90$ **(d) $9 + 70$**

2) The number which comes just after 5 TENS is

  (a) 16   (b) 49   **(c) 51**   (d) 60

3) Ann has the following number cards. Using these two cards, she can make a number between:

| 6 | | 2 |

(a) 20 and 25   **(b) 25 and 30**   (c) 50 and 60   (d) 70 and 80

4) 3 equal sized boxes are completely filled with fruits - Box 1 with grapes, Box 2 with apples and Box 3 with melons. Which box has the greatest number of fruits?

(a) Box 1   b) Box 2   (c) Box 3   (d) All have the same number

5. Look at the numbers in this box. Which of the following is true about the numbers in the box?

```
51
                        49
43            40
                 36
```

(a) They are all greater than 40   (b) They are all between 30 and 50

(c) They are all between 35 and 55   (d) They are all less than 50

LINK FOR MATHS CHAPTER 1 NUMBERS

https://forms.gle/EMpxhTBfHuRfThK47