THIRAN

(Targeted Help for Improving Remediation & Academic Nurturing)

7

MATHEMATICS

Workbook

2025-2026

DEPARTMENT OF SCHOOL EDUCATION
GOVERNMENT OF TAMIL NADU

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THE CONSTITUTION OF INDIA

PREAMBLE

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a **SOVEREIGN SOCIALIST SECULAR DEMOCRATIC REPUBLIC** and to secure to all its citizens:

JUSTICE, social, economic and political;

LIBERTY of thought, expression, belief, faith and worship;

EQUALITY of status and of opportunity;

and to promote among them all

FRATERNITY assuring the diginity of the individual and the unity and integrity of the Nation;

IN OUR CONSTITUENT ASSEMBLY this twenty-sixth day of November, 1949, do **HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.**

Content

Fundamental Concepts

7

I Can... I Will...

15 ☆ Date:

14 ☆ Date:

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12 ☆ Date:

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9 ☆ Date:

8 ☆ Date:

7 ☆ Date:

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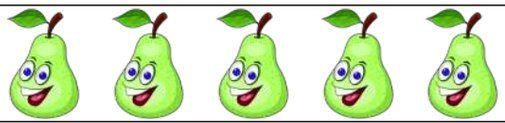
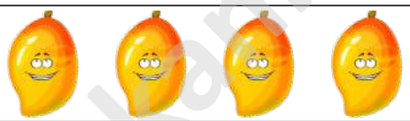
Note: Colour the stars ☆ after completing each module

Content

1 One, two digit numbers and place value

1.1 Count and write.

1.2 Answer the following.

1. The number of fingers in your one hand is _____

2. The number of members in your family is _____

3. The number of people that can sit in a car is _____

4. The number of wheels in a bus is _____

5. The number of days in a week is _____

1.3 Count and write.

1.4 Answer the following.

1. The number of students in your class is _____.

2. The age of your father is _____.

3. The number of people that can sit in a bus is _____.

4. The number of houses on your street is _____.

5. The number of days in a month is _____.

1.5 Count and write.

Fruits	How many		Number
	Tens	Ones	
			
			
			
			
			
			
			
			

1.6 Answer the following.

1. 43 = _____ Tens + _____ Ones.

2. _____ = 6 Tens + 7 Ones.

3. 80 = 8 Tens + _____ Ones.

4. _____ = 9 Tens + 4 Ones.

5. 59 = _____ Tens + 9 Ones.

2 Comparison of two digit numbers

2.1 Compare the numbers and put the appropriate symbol (>, <, =).

8 ☐ 1	12 ☐ 14	61 ☐ 16
9 ☐ 5	18 ☐ 20	59 ☐ 65
8 ☐ 4	45 ☐ 33	35 ☐ 53
2 ☐ 3	25 ☐ 52	64 ☐ 64
7 ☐ 9	36 ☐ 36	78 ☐ 67
2 ☐ 8	53 ☐ 50	70 ☐ 81
1 ☐ 1	11 ☐ 13	93 ☐ 39

2.2 Write the predecessor and successor of the given numbers.

☐ 28 ☐	☐ 35 ☐
☐ 43 ☐	☐ 57 ☐
☐ 86 ☐	☐ 92 ☐
☐ 69 ☐	☐ 74 ☐
☐ 80 ☐	☐ 99 ☐

2.3 Write the numbers in ascending and descending order.

2, 7, 5, 6, 9

Ascending order : _____

Descending order: _____

17, 13, 19, 14, 20

Ascending order : _____

Descending order: _____

88, 95, 55, 10, 42

Ascending order : _____

Descending order: _____

73, 82, 37, 99, 28

Ascending order : _____

Descending order: _____

2.4 Observe the digit in the ones place and write the odd numbers and even numbers.

84 41 8 33 87 18 9

79 14 66 21 6 30

92 7 74 52 95 44 69

Odd numbers	Even numbers

3 Addition and subtraction of one, two digit numbers

3.1 Add the following.

4 + 3 = ___	6 + 2 = ___	3 + 3 = ___	5 + 3 = ___	4 + 4 = ___	2 + 7 = ___
4 + 5 = ___	6 + 2 = ___	7 + 3 = ___	8 + 4 = ___	7 + 0 = ___	9 + 8 = ___
6 + 6 =		7 + 4 =		6 + 8 =	
4 + 2 =		9 + 6 =		8 + 7 =	
8 + 8 =		9 + 5 =		7 + 9 =	

3.2 Add the following.

T O 1 5 + 1 4 ___	T O 1 7 + 1 2 ___	T O 2 6 + 2 0 ___	T O 2 3 + 1 6 ___	T O 3 4 + 2 4 ___
T O 2 7 + 4 2 ___	T O 3 1 + 2 8 ___	T O 4 5 + 3 3 ___	T O 4 2 + 5 6 ___	T O 6 3 + 2 5 ___
T O 3 4 + 4 3 ___	T O 4 5 + 4 1 ___	T O 5 6 + 3 0 ___	T O 5 4 + 2 4 ___	T O 8 1 + 1 8 ___

3.3 Add the following.

	T	O
	1	7
+	1	5

	T	O
	1	6
+	1	4

	T	O
	1	8
+	1	3

	T	O
	1	9
+	1	7

	T	O
	2	3
+	1	9

	T	O
	2	8
+	2	2

	T	O
	3	5
+	1	7

	T	O
	4	2
+	3	9

	T	O
	5	2
+	1	8

	T	O
	7	5
+	1	6

	T	O
	7	9
+	1	7

	T	O
	6	8
+	2	3

	T	O
	5	4
+	1	9

	T	O
	4	5
+	3	7

	T	O
	8	7
+		8

3.4 Subtract the following.

4 − 2 =	6 − 4 =	8 − 3 =	7 − 3 =	9 − 5 =	7 − 6 =
9 − 6 =	8 − 4 =	8 − 0 =	9 − 2 =	7 − 5 =	9 − 8 =
6 − 5 =		9 − 3 =		8 − 4 =	
8 − 6 =		5 − 1 =		7 − 3 =	
8 − 2 =		6 − 3 =		9 − 4 =	

3.5 Subtract the following.

	T	O
	2	6
-	1	4

	T	O
	2	9
-	1	7

	T	O
	3	5
-	2	0

	T	O
	3	8
-	2	1

	T	O
	4	3
-	1	2

	T	O
	4	8
-	3	2

	T	O
	5	1
-	3	1

	T	O
	6	9
-	4	6

	T	O
	5	6
-	2	2

	T	O
	3	7
-	3	1

	T	O
	4	5
-	2	3

	T	O
	5	6
-	4	0

	T	O
	7	2
-	4	1

	T	O
	8	7
-	4	3

	T	O
	9	4
-	5	2

3.6 Subtract the following.

	T	O
	2	1
-		8

	T	O
	2	5
-	1	7

	T	O
	3	6
-	2	9

	T	O
	8	2
-	5	6

	T	O
	4	3
-	2	5

	T	O
	3	1
-	1	4

	T	O
	4	4
-	2	9

	T	O
	6	3
-	1	8

	T	O
	7	0
-	3	2

	T	O
	8	8
-	6	9

	T	O
	7	7
-	2	9

	T	O
	9	6
-	2	8

	T	O
	6	1
-	2	5

	T	O
	5	6
-	3	9

	T	O
	9	5
-	5	8

4 Addition and subtraction of three digit numbers

4.1 Count the boxes and write.

4.2 Add the following.

	H	T	O
	2	3	3
+	1	2	5

	H	T	O
	3	5	4
+	2	2	4

	H	T	O
	5	8	1
+	3	0	0

	H	T	O
	7	2	1
+	2	6	5

	H	T	O
	4	2	7
+	2	3	2

	H	T	O
	6	5	1
+	3	4	0

	H	T	O
	7	9	3
+	2	0	5

	H	T	O
	8	2	6
+	1	7	3

4.3 Add the following.

	H	T	O
	3	4	6
+	2	9	7

	H	T	O
	4	2	8
+	2	5	9

	H	T	O
	5	2	4
+	3	7	6

	H	T	O
	6	5	7
+	2	4	5

	H	T	O
	4	3	5
+	3	7	7

	H	T	O
	5	7	9
+	3	6	6

	H	T	O
	7	1	8
+	2	3	9

	H	T	O
	3	9	9
+	2	9	9

	H	T	O
	4	3	6
+	3	8	9

	H	T	O
	4	3	7
+	1	7	6

	H	T	O
	5	4	9
+	4	1	5

	H	T	O
	6	2	8
+	3	5	7

	H	T	O
	7	2	2
+	2	3	8

	H	T	O
	1	9	8
+	6	9	8

	H	T	O
	6	5	5
+	2	4	5

	H	T	O
	8	2	9
+	1	6	9

4.4 Subtract the following.

	H	T	O
	2	7	5
+	1	5	1

	H	T	O
	2	9	2
+	1	1	0

	H	T	O
	3	2	1
+	1	0	0

	H	T	O
	4	7	8
+	2	3	6

	H	T	O
	5	4	4
+	3	2	2

	H	T	O
	7	9	1
+	5	4	1

	H	T	O
	8	9	8
+	5	5	5

	H	T	O
	9	8	4
+	5	1	2

4.5 Subtract the following.

	H	T	O
	3	7	6
-	2	8	8

	H	T	O
	4	3	0
-	2	5	5

	H	T	O
	4	8	2
-	3	9	3

	H	T	O
	4	3	6
-	2	7	9

	H	T	O
	5	2	1
-	3	8	5

	H	T	O
	6	4	2
-	4	7	6

	H	T	O
	8	0	0
-	5	7	7

	H	T	O
	9	6	8
-	6	8	9

	H	T	O
	4	6	5
-	2	7	9

	H	T	O
	6	2	1
-	3	4	2

	H	T	O
	8	7	3
-	2	5	7

	H	T	O
	9	3	2
-	5	4	5

	H	T	O
	5	1	0
-	4	5	9

	H	T	O
	8	0	5
-	6	3	8

	H	T	O
	9	0	0
-	7	5	8

	H	T	O
	9	4	7
-	6	9	9

5 Multiplication

5.1 Multiply.

$5 \times 3 =$ ☐ $9 \times 2 =$ ☐ $5 \times 4 =$ ☐ $8 \times 5 =$ ☐

$8 \times 7 =$ ☐ $7 \times 6 =$ ☐ $6 \times 8 =$ ☐ $5 \times 9 =$ ☐

5.2 Fill in the boxes.

$7 \times$ ☐ $= 14$ $8 \times$ ☐ $= 32$ $6 \times$ ☐ $= 18$ $5 \times$ ☐ $= 25$

☐ $\times 6 = 42$ ☐ $\times 8 = 72$ ☐ $\times 7 = 42$ ☐ $\times 9 = 81$

5.3 Multiply.

72×4	35×3	47×5	84×2
25×15	83×12	26×24	43×18

6 Square numbers

Answer the following questions.

1. Circle the square numbers:

   15, 36, 48, 64, 80

2. The square number of 7 is _____.

3. 64 is the square number of _____

4. Check whether 81 is a perfect square number.

1. Circle the square numbers:

   9, 35, 121, 84, 100

2. The square number of 9 is _____.

3. 144 is the square number of _____

4. Check whether 36 is a perfect square number.

1. Circle the square numbers:

   4, 26, 81, 111, 225

2. The square number of 10 is _____.

3. 169 is the square number of _____

4. Check whether 196 is a perfect square number.

7 Least Common Multiples (LCM)

Answer the following questions.

1. The multiples of 5 are _____, _____, _____, _____, _____.

2. The common multiples of 2 and 3 are _____, _____, _____.

3. LCM of 4 and 5 is _____

1. The multiples of 8 are_____, _____, _____, _____, _____.

2. The common multiples of 4 and 7 are _____, _____, _____.

3. LCM of 5 and 8 is _____

1. The multiples of 9 are _____, _____, _____, _____, _____.

2. The common multiples of 7 and 8 are _____, _____, _____.

3. LCM of 8 and 11 is _____

8 Division and Highest Common Factor (HCF)

Answer the following questions.

Find the quotient and remainder: 32 ÷ 4	Find the quotient and remainder: 45 ÷ 3	Find the quotient and remainder: 28 ÷ 2	Find the quotient and remainder: 75 ÷ 5
Find the quotient and remainder: 140 ÷ 6	Find the quotient and remainder: 175 ÷ 8	Find the quotient and remainder: 179 ÷ 7	Find the quotient and remainder: 183 ÷ 9

1. The factors of 20 are _____
2. The factors of 36 are _____
3. The HCF of 15, 25 is _____
4. The HCF of 5, 9 is _____

9 Prime and composite number

Answer the following questions.

1. Circle the prime numbers:

   27, 23, 34, 41, 53

2. Circle the composite numbers:

   33, 46, 59, 64, 71

3. Is 1 a prime or composite?

1. Circle the prime numbers:

   29, 38, 53, 82, 97

2. Write the prime numbers between 20 and 30.

   _____

3. Are all even numbers prime?

1. Write the prime numbers between 75 and 85.

   _____

2. Circle the composite numbers:

   24, 19, 94, 83, 56

3. Can two consecutive numbers be prime?

10 Divisibility

Answer the following questions.

1. Circle the numbers that are divisible by 2:

   24, 35, 48, 41, 60

2. Circle the numbers that are divisible by 3:

   33, 46, 57, 64, 75

3. The number 381 is divisible by _____.

1. Circle the numbers that are divisible by 2 and 4:

   10, 20, 30, 40, 50

2. Circle the numbers that are divisible by 3 and 6:

   30, 33, 36, 39, 42

3. The number 963 is divisible by _____ and _____

1. Circle the numbers that are divisible by 5 and 10:

   25, 30, 35, 40, 45

2. Circle the numbers that are divisible by 9 and 11:

   90, 99, 108, 198, 207

3. The number 105 is divisible by _____ and _____

11 Number system

Answer the following questions.

1. The smallest number of whole numbers is _____.

2. 18 + 0 = _____.

3. 0 × 26 = _____.

1. All natural numbers except _____ have a predecessor

2. The numbers to the left of 0 are _____ integers.

3. Circle the negative integers.

7, 0, −3, 4, 7, −2.

1. 0 is the predecessor of _____

2. The product of two whole numbers is a _____ number.

3. 0 is less than every _____ integer.

12 Operations on integers

Answer the following questions.

Find the opposite of the following numbers.

i) -50

ii) 300

iii) -505

Arrange the following integers in ascending and descending order.

i) 13, 26, 14, –12, –8, 0, 12, –19

ii) –27, –6, –5, –40, 8, 0, 13, –1, 4, 23

iii) –100, 10, –1000, 100, 0, –1, 1000, 1, –10

Observe the following pattern and fill in the boxes.

4 + 2 = 6

☐ + 2 = 5

2 + 2 = 4

☐ + 2 = 3

0 + 2 = 2

–1 + 2 = 1

☐ + 2 = 0

–3 + 2 = -1

☐ + 2 = -2

13 Fractions

Answer the following questions.

1. Fraction represented by the shaded portions in the picture  is _____.

2. In $\frac{5}{7}$ _____ is numerator and _____ is denominator.

3. If the numerator is smaller than the denominator, then it is called as a _____. fraction.

1. Fraction represented by the unshaded portion in the picture  is _____.

2. If the numerator is greater than the denominator, then it is called as a _____. fraction.

3. $1\frac{1}{4}$ is a _____ fraction.

1. Circle the proper fractions. $\frac{1}{5}, \frac{3}{2}, \frac{4}{7}, \frac{7}{5}, \frac{3}{8}$

2. Circle the improper fractions. $\frac{2}{7}, \frac{6}{5}, \frac{5}{3}, \frac{1}{4}, \frac{8}{5}$

3. Write a proper and an improper fraction with denominator 7.

_____

14 Addition and subtraction of fractions

Answer the following questions.

1. $\frac{3}{7} + \frac{2}{7} = ?$

2. $\frac{3}{5} + \frac{4}{7} = ?$

3. $\frac{1}{4} + \frac{2}{5} = ?$

1. $\frac{3}{5} - \frac{1}{5} = ?$

2. $\frac{7}{5} - \frac{3}{4} = ?$

3. $\frac{2}{9} - \frac{4}{7} = ?$

1. $\frac{3}{5} + \frac{2}{9} = ?$

2. $\frac{1}{3} - \frac{2}{7} = ?$

3. $\frac{4}{7} - \frac{1}{11} = ?$

15 Decimal numbers

Answer the following questions.

1. The decimal form of $\frac{12}{10}$ is _____.
2. The decimal form of $\frac{148}{100}$ is _____.
3. The decimal form of $\frac{7}{2}$ is _____.

1. The decimal form of $\frac{5}{10}$ is _____.
2. The decimal form of $\frac{3}{4}$ is _____.
3. The decimal form of $\frac{4}{16}$ is _____.

1. The decimal form of $\frac{3}{10}$ is _____.
2. The decimal form of $\frac{15}{100}$ is _____.
3. The decimal form of $\frac{1370}{1000}$ is _____.

I can do

Choose the correct answer. **Marks : 10 × 1 = 10**

1) Which is the biggest three digit number?

a) 999 b) 900 c) 100 d) 101

2) 485 + 237 = ?

a) 622 b) 722 c) 612 d) 712

3) 937 – 689 = ?

a) 248 b) 348 c) 448 d) 498

4) 48×15 = ?

a) 620 b) 820 c) 720 d) 7120

5) LCM of 8 and 9 is _____

a) 72 b) 89 c) 16 d) 1

6) $135 \div 9$ = ?

a) 12 b) 13 c) 14 d) 15

7) The number 117 is divisible by _____

a) 5 b) 7 c) 3 d) 2

8) 15×7 = _____

a) 105 b) 115 c) 22 d) 112

9) $\frac{5}{7} - \frac{3}{7} = ?$

a) $\frac{5}{7}$ b) $\frac{3}{7}$ c) $\frac{2}{7}$ d) $\frac{1}{7}$

10) The decimal form of $\frac{107}{10}$ is _____

a) 1.07 b) 107.0 c) 10.7 d) $\frac{1}{7}$

NOTE

Grade Level Concepts

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I Can... I Will...

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18 ☆ Date:

17 ☆ Date:

16 ☆ Date:

15 ☆ Date:

14 ☆ Date:

13 ☆ Date:

12 ☆ Date:

11 ☆ Date:

10 ☆ Date:

9 ☆ Date:

8 ☆ Date:

7 ☆ Date:

6 ☆ Date:

5 ☆ Date:

4 ☆ Date:

3 ☆ Date:

2 ☆ Date:

1 ☆ Date:

Note: Colour the stars ☆ after completing each module

Content

1 Numbers - I

Answer the following questions.

1. Place value of 7 in the number 708146 is _____ .

   a. Seven Lakh b. Seven Hundred

   c. Seven Thousand d. Seven

2. 1 billion is equal to _____ .

   a. 100 crores b. 100 million

   c. 100 lakh d. 10000 lakh

1. Fill in the blanks:

   The smallest 6 digit number is _____ .

2. Fill it with the appropriate symbols ('>', '<' or '='):

   48792 _____ 48592.

2 Numbers - II

Answer the following questions.

1. The value of $3 + 5 \times 2$ is _____ .

2. The whole number that does not have a predecessor is _____ .

   a) 0 b) 9

   c) 1 d) 10

Fill in the blanks:

1. Rounding off the number 53 to the nearest ten is _____.

2. $17 \times$ _____ $= 34 \times 17$.

3 Algebra

Answer the following questions.

1. If $b-5$ is 12, then the value of b is _____ .

2. Write the algebraic statement for that subtracting 6 from 'n' gives 8.

1. The number of days in 'w' weeks is.

   a) 30 + w b) 30w

   c) 7 + w d) 7w

2. 2 sticks are needed to form 'T', how many sticks are needed to form four T's?

   a) 2 b) 4

   c) 5 d) 8

4 Ratio and proportion

Answer the following questions.

1. The ratio between the number of sides of a triangle and a rectangle is

   a) 4 : 3 b) 3 : 4

   c) 3 : 5 d) 3 : 2

2. If 2 : 3 and 4 : _____ are in proportion, then the missing term is

   a) 6 b) 2

   c) 4 d) 3

1. An equivalent ratio of 4 : 7 is

   a) 1 : 3 b) 8 : 14

   c) 14 : 8 d) 12 : 21

2. If a man walks 2 km in 15 minutes, then he will walk _____ km in 45 minutes

   a) 10 km b) 8 km

   c) 6 km d) 12 km

5 Geometry - I

Answer the following questions.

1 A _____ extends along both directions.

a) line b) line segment

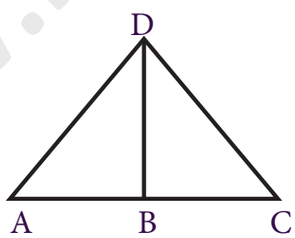
c) ray d) point

2. How many end points will a ray have?

a) 4 b) 3

c) 2 d) 1

1. The number of line segments in this figure is _____ .



a) 5 b) 6

c) 7 d) 8

2. The method of specifying the ray  is

a) $\overrightarrow{AB}$ b) $\overrightarrow{BA}$

c) $\overleftrightarrow{AB}$ d) $\overleftrightarrow{BA}$

6 Geometry - II

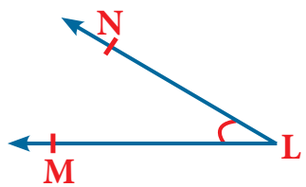
Answer the following questions.

1. 72° is _____ angle.

   a) An acute angle b) a right angle

   c) An obtuse angle d) a straight angle

2. In the diagram, which one of the following is not correct way of naming the angle?



   a) ∠MLN b) ∠NLM

   c) ∠LNM d) ∠L

1. If two lines are intersecting each other, then the number of angles formed at that point is _____.

   a)1 b) 2

   c) 3 d) 4

2. If a clock shows time 9.00, then the angle between hour hand and minute hand is _____.

   a) 30° b) 60°

   c) 90° d) 180°

7 Statistics

Answer the following questions.

1. Cricket scores gathered from a website is a _____ .

   a) Primary data b) secondary data

   c) Tally marks d) BarGraph

2. The collection and classification of "Stamp Collecting" by students is a _____ .

   a) Primary Data b) Secondary data

   c) Tally marks d) BarGraph

1. Representation of data by using picture is known as _____ .

   a) Pictograph b) Bar graph

   c) Calendar d) Tally marks

2. If 100 is represented by  , then 250 is represented by _____ .

   a)  b) 

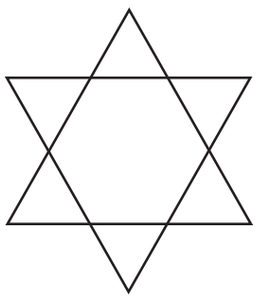
   c)  d) 

8 Information processing - I

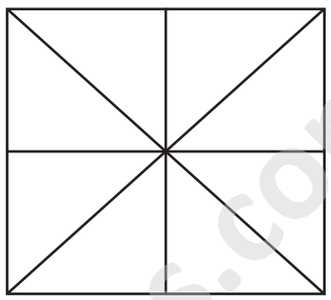
Answer the following questions.

1. Find out how many triangles are there in the picture.

(i)



(ii)



1. Fill the missing numbers in the picture.

(i)

1	2	3

(ii)

2	3	1

9 Numbers - III

Answer the following questions.

1. The number of prime numbers between 11 and 30 is _____ .

   a) 2 b) 4

   c) 6 d) 8

2. Which one of the following number is a prime number?

   a) 10 b) 21

   c) 73 d) 91

1. Find the prime number that ends with 7.

   a) 27 b) 57

   c) 117 d) 37

2. The number 195 is divisible by _____ .

   a) 2 b) 3

   c) 4 d) 6

10 Numbers - IV

Answer the following questions.

1. The number of factors of 20 is _____ .

   a) 4 b) 5

   c) 6 d) 20

2. Which one of the following is the multiple of 7?

   a) 1 b) 17

   c) 49 d) 62

1. Find HCF of 40 and 56?

2. Find HCF, if LCM of two numbers 3 and 9 is 9.

I can do

Choose the correct answer. **Marks : 10** × 1 = 10

1. The Arabian Sea has an area of 1491000 square miles. This area lies between _____ and _____

   a) 1489000 and 1492540 b) 1489000 and 1490540

   c) 1490000 and 1490100 d) 1480000 and 1490000

2. (53 + 35) × 0 is _____.

   a) 88 b) 0 c) 89 d) 53 + 35 × 0

3. A variable _____ .

   a) can take only a few values b) has a fixed value

   c) can take different values d) can take 8 values

4. If 7 : 5 is equivalent to x : 25, then the value of x is

   a) 29 b) 49 c) 35 d) 14

5. Which one of the following Alphabet represents the parallel lines?

   a) A b) K c) E d) T

6. The supplementary angle of 85° is _____.

   a) 5° b) 95° c) 105° d) 145°

7. The tally marks for the number 5 is _____.

   a) V b) IIIII c) 𝍸 d) ≣

8. The prime factors of 30 is _____.

   a) 30 × 1 b) 6 × 5 c) 15 × 2 d) 3 × 2 × 5

9. LCM of 4 and 5 is _____.

   a) 40 b) 10 c) 20 d) 8

10. The number of factors of 20 is _____.

    a) 4 b) 5 c) 6 d) 20

11 Measurements - I

Answer the following questions.

1. 5 m 5 cm is equal to _____ .

   a) 505 dm b) 505 mm

   c) 505 cm d) 550 cm

2. 7 km = _____ metre.

   a) 700 m b) 7000 m

   c) 0.007 m d) 70 m

1. $\frac{1}{2}$ *litre* + 1 litre = _____ litre.

   a) $\frac{1}{6}$ b) $\frac{3}{2}$

   c) $\frac{3}{4}$ d) $\frac{1}{8}$

2. 50 kg ÷10 g

   a) 5 g b) 50 g

   c) 500 g d) 5000 g

12 Measurements - II

Answer the following questions.

1. The time shown by the clock is _____.

a) 2 hours
b) 5 hours
c) 10 hours
d) 12 hours

2. In a leap year, February month has _____ days.

a) 28
b) 29
c) 30
d) 31

1. 2 weeks = _____ days.

a) 7
b) 14
c) 21
d) 28

2. Which of the following years is a leap year?

a) 2010
b) 2020
c) 2025
d) 2022

13 Bill, profit and loss

Answer the following questions.

1. If the Cost Price of an object is ₹ 75000 and the Selling Price is ₹ 90000, then find the profit.

2. Discount means _____

   a) Cost Price- Selling Price b) Selling Price- Cost Price

   c) Marked Price- Selling Price d) Marked Price- Cost Price

1. Cost of one kg of Tomato is ₹ 20. What is the cost of 4 kg of Tomato?

   a) ₹ 80 b) ₹ 100

   c) ₹ 150 d) ₹ 90

2. If the Cost Price of an object is ₹5000 and the Selling Price is ₹4250, then find the loss.

14 Geometry - III

Answer the following questions.

1. How many types of triangles are there based on sides?

   a) 1 b) 2

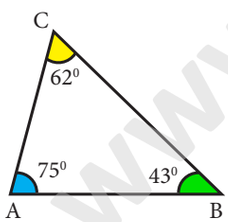
   c) 3 d) 4

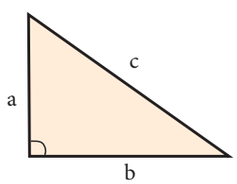
2. How many types of triangles are there based on angles?

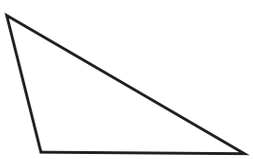
   a) 3 b) 4

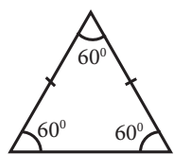
   c) 5 d) 2

1. Which of the following is an obtuse angled triangle?

   a) 

   b) 

   c) 

   d) 

2. The sum of three angles of a triangle is _____ .

   a) 90° b) 180°

   c) 270° d) 360°

15 Information Processing - II

Answer the following questions.

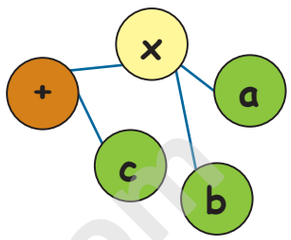
1. Choose the correct algebraic expression.

a) ab – c

b) (a + b) + c

c) ab + c

d) (a – b) + c



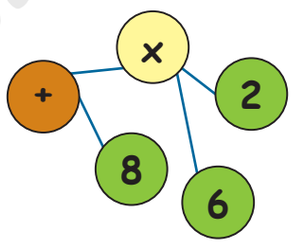
2. Choose the correct numerical expression.

a) (6 × 2) – 8

b) 8 + (6 × 2)

c) 8 – (6 + 2)

d) (8 – 6) + 2



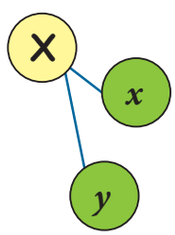
1. Choose the correct algebraic expression.

a) $\frac{x}{y}$

b) xy

c) $x + y$

d) $x - y$



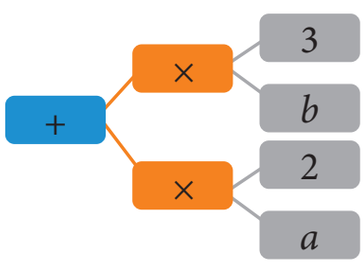
2. Choose the correct algebraic expression.

a) 2a + 3b

b) 2a – 3b

c) 2a × 3b

d) $\frac{2a}{3b}$



16 Fractions

Answer the following questions.

1. How much is half of $\frac{3}{4}$ liter of milk?

   a) $\frac{3}{2}\ l$ b) $\frac{1}{4}\ l$

   c) $1\ \frac{1}{4}\ l$ d) $\frac{3}{8}\ l$

2. If 1 part is $\frac{1}{2}$ kg. then 3 parts is _____ kg?

   a) 3 kg b) $\frac{3}{4}$ kg

   c) $1\ \frac{1}{2}$ kg d) 2 kg

1. What is the mixed fraction of 34 rupees 85 paise?

   a) 34.85 b) $34\ \frac{85}{100}$

   c) $34\ \frac{100}{85}$ d) $\frac{85}{100}$

2. What is the improper fraction of $5\ \frac{3}{7}$?

   a) $\frac{35}{4}$ b) $\frac{7}{3}$

   c) $\frac{3}{38}$ d) $\frac{38}{7}$

17 Integers

Answer the following questions.

1. The additive inverse of 14 is_____

   a) –14 b) 14

   c) 15 d) 0

2. Zero is _____ integer

   a) Positive b) Negative

   c) Neither positive nor negative d) positive and Negative

1. Predecessor of –25 is _____

   a) –27 b) 27

   c) 26 d) –26

2. Successor of –999 is _____

   a) –1000 b) 1000

   c) –998 d) 99

18 Perimeter and area

Answer the following questions.

1. The area of a square of side 4 cm is _____.

   a) 8 cm b) 16 sq.cm

   c) 64 cm d) 12 cm

2. Find the perimeter of a rectangle whose length is 6 cm and breadth is 4 cm ?

1. The side of a square having perimeter 8 cm is _____.

   a) 6 cm b) 12 cm

   c) 2 cm d) 4 cm

2. Find the perimeter of a equilateral triangle of side 3 cm?

19 Symmetry

Answer the following questions.

1. Which of the following shape does not have symmetry?

   a) Square b) Rhombus

   c) Parallelogram d) Triangle

2. The number of lines of symmetry in a regular hexagon is _____.

   a) 5 b) 2

   c) 4 d) 3

1. The order of rotational symmetry of a rectangle is _____.

   a) 1 b) 2

   c) 3 d) 4

2. A circle has _____ rotational symmetry

   a) 2 b) 3

   c) 6 d) countless

20 Information processing - III

Answer the following questions.

1. The next term in the sequence 15, 17, 20, 22, 25,… is _____.

   a) 27 b) 29

   c) 27 d) 26

2. The difference between 9th term and 8th term in the Fibonacci sequence is _____.

   a) 10 b) 13

   c) 11 d) 12

1. Each term in the Fibonacci sequence is called a _____

   a) Fibonacci Number b) Composite Number

   c) Prime Number d) Integers

2. The action repeated many times which gives rise to a new form is _____

   a) Fibonacci Method b) Lucas Method

   c) Iterative process method d) Euclid method

I can do

Choose the correct answer. **Marks : 10** × 1 = 10

1. 255 *ml* × 2 = _____ *ml*

   a) 510 b) 5.10 c) 0.510 d) 410

2. 2 weeks and 3 days = _____ days.

   a) 7 b) 14 c) 17 d) 28

3. Cost of one kg of Tomato is ₹20. What is the cost of $4\frac{1}{2}$ kg of Tomato?

   a) ₹80 b) ₹100 c) ₹150 d) ₹90

4. The right angle is _____

   a) 70° b) 30° c) 90° d) 180°

5. Put the appropriate sign – 889 ☐ –1000

   a) = b) < c) > d) <=

6. Predecessor of -25 is _____.

   a) –27 b) 27 c) 26 d) –26

7. The breadth of a rectangle whose length 5 cm and perimeter 16 cm is _____.

   a) 4 cm b) 3 cm c) 8 cm d) 11 cm

8. Which of the following alphabet does not have line of symmetry?

   a) B b) O c) R d) A

9. Which of the following shapes does not have symmetry?

   a) Square b) Rectangle c) Parallelogram d) Triangle

10. The additive inverse of 14 is _____.

    a) –14 b) 14 c) 15 d) 0

NOTE

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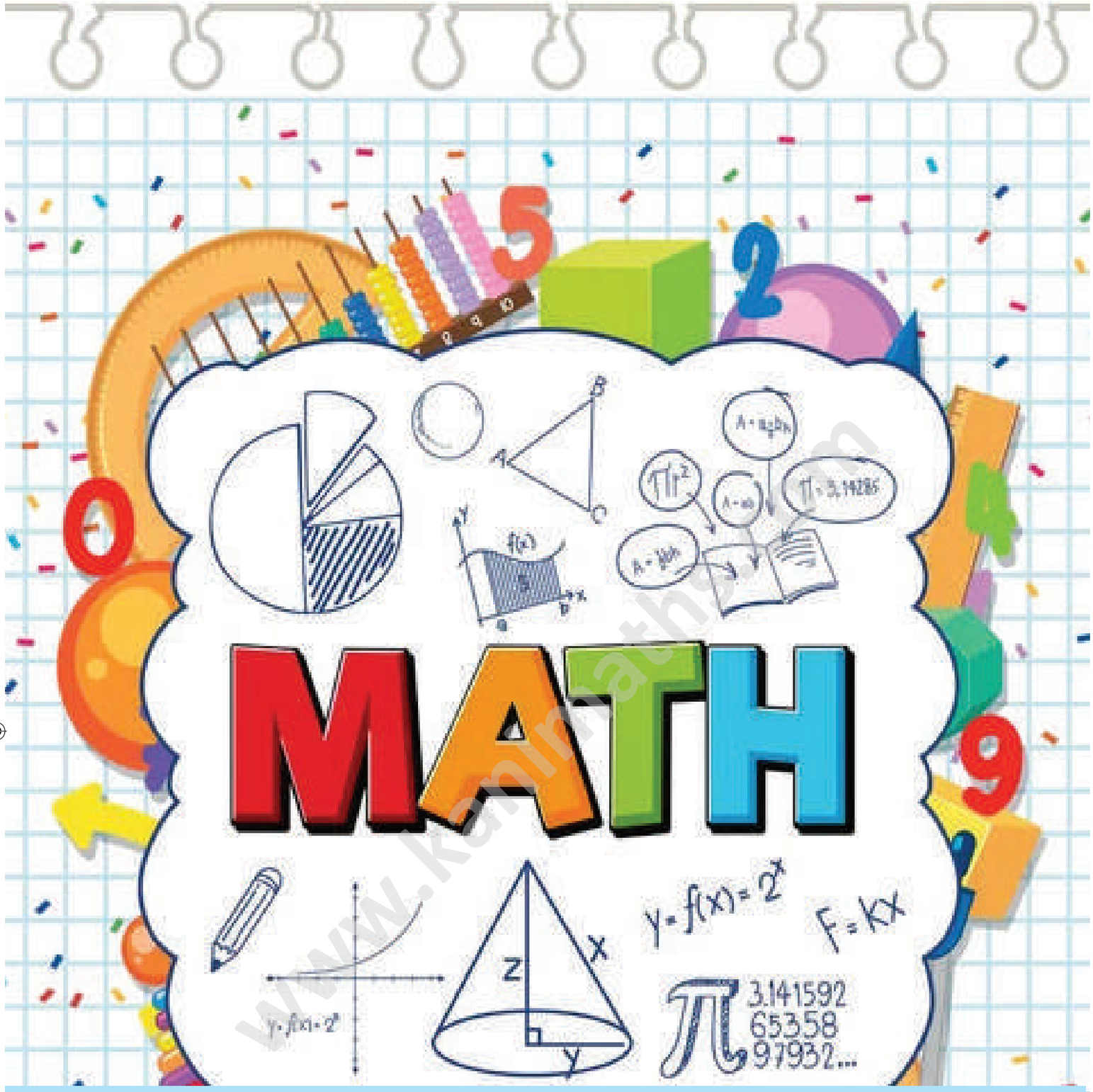

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Examinations or Higher Education
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Caller details will be kept confidential