

TERM 3
Model Question Paper 2 T3
6th Standard

Maths

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 01:30:00 Hrs

Total Marks : 55

Part-A

5 x 1 = 5

- 1) Zero is less than every positive number.
(a) True (b) False
- 2) Towards the left side of 0, the numbers are getting decreased
(a) True (b) False
- 3) -5 is on the right side of -4 on the number line.
(a) True (b) False
- 4) -1 is the least negative number.
(a) True (b) False
- 5) Every positive number is greater than the negative numbers.
(a) True (b) False

Part-B

13 x 2 = 26

- 6) Write the algebraic expression for the following statements:

Situation	Introduction of variables	Algebraic expression
1. Length of a rectangle is 3 more than its breadth.	Let the breadth of the rectangle be 'x' units.	
2. Raghu is 10 years younger than sedhu.	Let the age of Sedhu be 'x' years.	
3. Ramkumar is 2 times as old as Nandhagopal.	Let the age of Nandhagopal be 'x' year.	
4. Cost of one pen is Rs.9 less than the cost of one notebook.	Let the Cost of one note book be Rs.'y'.	
5. The diameter of a circle is twice its radius.	Let the radius of the circle be 'r' units.	

- 7) Write the algebraic expression for the following statements:

Mathematical operations	Statements	Algebraic expression
Addition	Add 10 to a number	
Subtraction	Subtract 9 from a number	
Multiplication	5 times a number	
Division	One fourth of a person's monthly income	
Less than	10 less than a given number	
Greater than	15 more than a given number	
multiplies	3 times Raghu's age	

- 8) Write the following expression in words $3m + 4$, $3m - 4$, $\frac{3m}{4}$, $\frac{4m}{3}$
- 9) Write an algebraic expression for the following statement:

Statement	Algebraic expression
1) 10 added to a number gives 20	
2) Two times a number is 40	
3) 5 subtracted from a number gives 20	
4) A number divided by 6 gives the quotient 5 leaving no remainder	
5) 8 subtracted from twice a number gives 10	
6) 6 added to twice a number is 42	

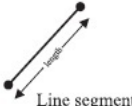
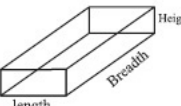
- 10) Complete the following table:

Equation	Value of the variable	Substituting the value of the variable	Solution / Not a Solution
(i) $x + 3 = 8$			
(ii) $x - 4 = 7$			
(iii) $3x = 12$			
(iv) $\frac{x}{7} = 6$			

- 11) Using the table find the value of the variable which satisfies the equation $x + 7 = 12$.

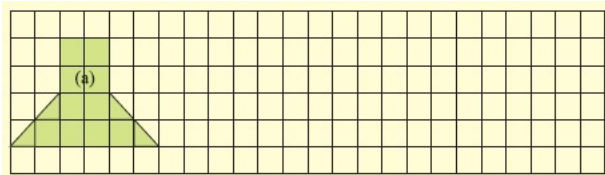
x	1	2	3	4	5	6	7	8	9	10	11
x+7	8	9	10	11	12	13	14	15	16	17	18

- 12)

		
Line segment	Newspaper	Cardboard box
Only one dimension	Two dimensions	Three dimensions
No Area	Can you find its area?	The box has 6 surfaces. We can find the area of each surface.

How to calculate the rate?

- 13) Find the area of the given shape.



- 14) Find the area of a rectangle whose length is 8 cm and breadth 5 cm

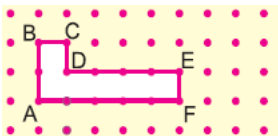
Area of a rectangle = length $\times$ breadth = 8 cm $\times$ 5 cm = 40 sq. cm

- 15) Find the area of a square of side 7 cm.

Area of a square = side $\times$ side = 7 cm $\times$ 7 cm = 49 sq. cm.

- 16) Find the perimeter of the following shapes.

- 17) The distance between two consecutive points is 1 unit. Find the perimeter of ABCDEF



- 18) Find the perimeter of a rectangle, whose length is 5 cm and breadth is 3 cm.

Part-C

- 19) Identify the greater and smaller integer from the following using number line

7,-3

- 20) Identify the greater and smaller integer from the following using number line

1,-4

- 21) Identify the greater and smaller integer from the following using number line

-4,-7

- 22) List the integers between the given number using number line

3,-3

- 23) List the integers between the given number using number line

-4,2

- 24) List the integers between the given number using number line

-1,1

- 25) List the integers between the given number using number line

-5,-2

- 26) List the integers between the given number using number line

-4,3

8 x 3 = 24