

TERM 3  
Model question 1 T3  
7th 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 : 50

Part-A

9 x 1 = 9

- 1) If  $p+3=9$ , then p is  
(a) 12 (b) 6 (c) 3 (d) 27
- 2) If  $12-x=8$ , then x is  
(a) 4 (b) 20 (c) -4 (d) -20
- 3) If  $\frac{q}{6}7$ , then q is  
(a) 13 (b)  $\frac{1}{42}$  (c) 42 (d)  $\frac{7}{6}$
- 4) If  $7(x-9) = 35$ , then x is  
(a) 5 (b) -4 (c) 14 (d) 37
- 5) Three times a number is 60. Then the number is  
(a) 63 (b) 57 (c) 180 (d) 20
- 6) The sum of 5 times x, 3 times y and 7  
(a)  $5(x+3y+7)$  (b)  $5x+3y+7$  (c)  $5x+3(y+7)$  (d)  $5x+3(7y)$
- 7) One half of the sum of numbers a and b  
(a)  $\frac{1}{2}(a+b)$  (b)  $\frac{1}{2}a+b$  (c)  $\frac{1}{2}(a-b)$  (d)  $\frac{1}{2}+a+b$
- 8) Three times the difference of x and y  
(a)  $3x-y$  (b)  $3-x-y$  (c)  $xy-3$  (d)  $3(y-x)$
- 9) 2 less than the product of y and z  
(a)  $2-yz$  (b)  $2+yz$  (c)  $yz-2$  (d)  $2y-z$

Part-B

10 x 2 = 20

- 10) Write the algebraic expressions for the following:  
Twice the sum of m and n.
- 11) Write the algebraic expressions for the following:  
b decreased by twice a.
- 12) Write the algebraic expressions for the following:  
Numbers x and y both squared and added.
- 13) Write the algebraic expressions for the following:  
Product of p and q added to 7.
- 14) Write the algebraic expressions for the following:  
Two times the product of a and b divided by 5.
- 15) Write the algebraic expressions for the following:  
x more than two-third of y.
- 16) Write the algebraic expressions for the following:  
Half a number x decreased by 3.
- 17) Write the algebraic expressions for the following:  
Sum of numbers m and n decreased by their product.
- 18) Write the algebraic expressions for the following:  
4 times x less than sum of y and 6.
- 19) Write the algebraic expressions for the following:  
Double the sum of one third of a and m.

Part-C

7 x 3 = 21

- 20) Write the algebraic expressions for the following using variables, constants and arithmetic operations:  
Sum of x and twice y.
- 21) Write the algebraic expressions for the following using variables, constants and arithmetic operations:  
Subtraction of z from y.
- 22) Write the algebraic expressions for the following using variables, constants and arithmetic operations:  
Product of x and y increased by 4
- 23) Write the algebraic expressions for the following using variables, constants and arithmetic operations:  
The difference between 3 times x and 4 times y.

- 24) Write the algebraic expressions for the following using variables, constants and arithmetic operations:  
The sum of 10, x and y.
- 25) Write the algebraic expressions for the following using variables, constants and arithmetic operations:  
Product of p and q decreased by 5.
- 26) Write the algebraic expressions for the following using variables, constants and arithmetic operations:  
Product of numbers m and n. Write the algebraic expressions for the following using variables, constants and arithmetic operations:  
d subtracted from 12.

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