

demo full chap
Model question 2 T3
7th Standard

Maths

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 02:30:00 Hrs

Total Marks : 75

Part-A

2 x 1 = 2

- 1) If $p+3=9$, then p is
(a) 12 (b) 6 (c) 3 (d) 27
- 2) Half of p added to the product of 6 and q
(a) $\frac{1}{2} + 6q$ (b) $p + \frac{6q}{2}$ (c) $\frac{1}{2}(p + 6q)$ (d) $\frac{1}{2}(6p + q)$

Part-B

20 x 2 = 40

- 3) Write the algebraic expressions for the following:
Quotient of y by 5 added to x .
- 4) Solve $3p + 4 = 25$
- 5) Solve $7m - 5 = 30$
- 6) Solve $2a - 12 = 14$
- 7) Solve $5x + 3 = 18$
- 8) Solve $2(x + 4) = 12$
- 9) Solve $(3x + 1) - 7 = 12$
- 10) Solve $(3x + 1) - 7 = 12$
- 11) Solve $5x + 3 = 17 - 2x$
- 12) Sum of three consecutive integers is 45. Find the integers.
- 13) A number when added to 60 gives 75. What is the number?
- 14) 20 less than a number is 80. What is the number?
- 15) $\frac{1}{10}$ of a number is 63. What is the number?
- 16) Solve $5x + 3 = 17 - 2x$
- 17) Sum of three consecutive integers is 45. Find the integers.
- 18) A number when added to 60 gives 75. What is the number?
- 19) 20 less than a number is 80. What is the number?
- 20) $\frac{1}{10}$ of a number is 63. What is the number?
- 21) A number divided by 4 and increased by 6 gives 10. Find the number
- 22) Thendral's age is 3 less than that of Revathi. If Thendral's age is 18, what is Revathi's age?

Part-C

11 x 3 = 33

- 23) Write the algebraic expressions for the following using variables, constants and arithmetic operations: Write the algebraic expressions for the following using variables, constants and arithmetic operations:
Sum of numbers a and b subtracted from their product.
- 24) Write the algebraic expressions for the following using variables, constants and arithmetic operations:
Number 6 added to 3 times the product of numbers c and d .
- 25) Write the algebraic expressions for the following using variables, constants and arithmetic operations: Four times the product of x and y divided by 3.
- 26) Solve :
 $x-5=7$
- 27) Solve :
 $a+3=10$
- 28) Solve :
 $4+y=-2$
- 29) Solve :
 $b-3=-5$
- 30) Solve :
 $-x=5$
- 31) Solve :
 $-x=-7$
- 32) Solve :
 $3-x=8$
- 33) Solve :
 $14-n=10$