

BHARATH COACHING CENTRE

6th CBSE

Algebra

Total: 50

Mathematics

Time: 2.00hrs

SECTION – A

5 x 1 = 5

1. X less than 4 is expressed as _____
2. The sum of x and 4 is expressed as _____
3. 5 times of x is expressed as _____
4. Divide 2x by 5 can be expressed as _____
5. One-third of a number can be expressed as _____

SECTION – B

5 X 2 = 10

6. The diameter of a circle is twice its radius.
7. The perimeter of a square is four times its side.
8. Write the exponential form of: $17 * X * X * X * y * y * Z$
9. Write the exponential form of: $4 * a * a * a \dots 13 \text{ times} * q * q \dots 5 \text{ times}$.
10. Write the product form of: $a^3 X 3ab^2 X 2a^2b^2$

SECTION – C

5 X 3 = 15

11. Anjali scores 100 marks in Mathematics and x marks in science. What are her total marks in mathematics and science?
12. Quotient of x by 3 is multiplied by Y.
13. $13 * P * P \dots 7 \text{ times} * q * q * q \dots 12 \text{ times}$
14. Solve by trial and error method: $X + 3 = 15$
15. Solve: $X - 2 = 25$

SECTION – C

5 X 4 = 20

16. Eight times a number p is x less than a number y.
17. John covers x centimeters in one step. How many centimeters do he covers in 9 steps?
18. Think of a number. Multiply it by 5. Add 6 to the result. Subtract y from this result. What is the result?
19. One apple weighs 75 grams and one orange weighs 40 grams. Determine the weighs of the X apples and Y oranges.
20. Binny spends Rs.a daily and saves Rs.b per week. What is her income for two weeks.