

RD SHARMA
Solutions
Class 6 Maths
Chapter 8
Ex 8.3

Mark the correct alternative in each of the following:

1. 5 more than twice a number x is written as

(a) $5 + x + 2$

(b) $2x + 5$

(c) $2x - 5$

(d) $5x + 2$

Answer: (b) $2x + 5$

2. The quotient of x by 2 is written as

(a) $\frac{x}{2} + 5$

(b) $\frac{2}{x} + 5$

(c) $\frac{x+2}{5}$

(d) $\frac{x}{2+5}$

Answer: (a) $\frac{x}{2} + 5$

3. The quotient of x by 3 is multiplied by y is written as

(a) $\frac{x}{3y}$

(b) $\frac{3x}{y}$

(c) $\frac{3y}{x}$

(d) $\frac{xy}{3}$

Answer: (d) $\frac{xy}{3}$

4. 9 taken away from the sum of x and y is

(a) $x + y - 9$

(b) $9 - (x + y)$

(c) $\frac{x+y}{9}$

(d) $\frac{9}{x+y}$

Answer: (a) $x + y - 9$

5. The quotient of x by y added to the product of x and y is written as

(a) $\frac{x}{y} + xy$

(b) $\frac{y}{x} + xy$

(c) $\frac{xy+x}{y}$

(d) $\frac{xy+y}{x}$

Answer: (a) $\frac{x}{y} + xy$

6. $a^2b^3 \times 2ab^2$ is equal to

(a) $2a^3b^4$

(b) $2a^3b^5$

(c) $2ab$

(d) a^3b^5

Answer: (b) $2a^3b^5$

7. $4a^2b^3 \times 3ab^2 \times 5a^3b$ is equal to

(a) $60a^3b^5$

(b) $60a^6b^5$

(c) $60a^6b^6$

(d) a^6b^6

Answer: (c) $60a^6b^6$

8. if $2x^2y$ and $3xy^2$ denote the length and breadth of a rectangle, then its area is

(a) $6xy$

(b) $6x^2y^2$

(c) $6x^3y^3$

(d) x^3y^3

Answer: (c) $6x^3y^3$

9. In a room there are x^2 rows of chairs and each row contains $2x^2$ chairs. The total number of chairs in the room is

(a) $2x^2$

(b) $2x^4$

(c) x^4

(d) $\frac{x^4}{4}$

Answer: (b) $2x^4$

10. $a^3 \times 2a^2b \times 3ab^5$ is equal to

(a) a^6b^6

(b) $23a^6b^6$

(c) $6a^6b^6$

(d) None of these

Answer: (b) $23a^6b^6$