

MCQ PRACTICE TEST

1. If area of a triangle becomes 8 times whereas its base becomes twice its original, then new height of the triangle would be

(a) 2 times its original (b) 4 times its original
(c) 8 times its original (d) no change would occur.

2. Identify the included number for which mean of four numbers changes to 9 from 7 on adding the new number.

(a) 9 (b) 15 (c) 17 (d) 12

3. If the radius of the circle becomes 5 times its original then what changes would occur with its circumference?

(a) 25 times its original (b) 10 times its original

(c) 5 times its original (d) 15 times its original

4. Identify the hypotenuse of a right triangle whose base and height are 21 cm and 20 cm respectively.

(a) 41 cm (b) 28 cm (c) 35 cm (d) 29 cm

5. Convert 413297.06 cm^2 into m^2

(a) 4132.9706 m^2 (b) 413.29706 m^2

(c) 41.329706 m^2 (d) 41.327906 m^2

6. Find the area of a semi-circular playground of diameter 28 cm . ($\pi = \frac{22}{7}$)

(a) 616 m^2 (b) 616 cm^2 (c) 0.0308 m^2 (d) 3.08 m^2

7. 9750% is equal to

(a) $\frac{192}{2}$ (b) $\frac{197}{2}$ (c) $\frac{195}{3}$ (d) $\frac{195}{2}$

8. Find the cost price of the article if it sold at $\text{₹ } 250$ with a loss of 5% .

(a) $\text{₹ } 237.50$ (b) $\text{₹ } 263.175$ (c) $\text{₹ } 263.157$ (d) $\text{₹ } 237.157$

9. Identify the term containing ' x ' in the given expression:

$$9xy^3z - 3x^2y^2z + 9xy^3z^2 - 19xy^2z^3$$

(a) $-19xy^2z^3$ (b) $-3x^2y^2z$ (c) $9xy^3z^2$ (d) $9xy^3z$

10. If 10% of x is 2304 , find 250% of it.

(a) 57600 (b) 576000 (c) 5760 (d) 5760000