

Try all these questions of the above chapter.

Quest.1. Find the square root of the following numbers:
(i) 3528 (ii) 24336 (iii) 5.4289

Quest.2. Find the smallest number by which each number must be multiplied to get a perfect square:
(i) 7776 (ii) 2592

Quest.3 Find the square root by "division method"
(i) 6241 (ii) 7569
(iii) 18.1476

Quest.4. Find the square root of
(i) $4\frac{73}{324}$ (ii) $\frac{\sqrt{1183}}{\sqrt{2023}}$

Quest.5. Simplify : (i) $\sqrt[3]{\frac{216}{2197}} + \sqrt{\frac{121}{169}} - \left(\frac{2}{3}\right)^0$

Quest.6. (i) find the value of $x^3 + y^2 + z^2 - 2xyz$
if $x = 1$, $y = 2$, $z = -1$

(ii) If $x = 4$, $y = 3$ and $z = -2$
 $x^3 - 3x^2 + 5xy - 2xz$

Quest 7. Subtract the sum of $4x^2 + 7xy + 3y^2 + 1$ and $2x^2 - 5xy - 2y^2 + 8$ from $9x^2 - 8xy + 11y^2$

Quest 8. Find the perimeter of the rectangle if the length and breadth are $2x^2 - 5x + 9$ and $9x^2 + 8x - 4$ respectively.

Quest 9. Multiply: $(a+5)(b-2)(a-3)$

Quest 10. Find the product:

$$(8x^4 - 3x^2 + 9x - 8) \text{ by } (2x^2 - 5x + 3)$$

————— x ————— x —————