

## Class VIII Math Assignment

### Chapter -6 Squares and Square Roots

Q1. Find the Square root of the following by division method.

(a) 571536

(b) 256036

(c) 480249

(d)  $\frac{7225}{1089}$

(e)  $\frac{256}{841}$

(f)  $\sqrt{625} \times \sqrt{81}$

(g)  $1\frac{120}{169}$

(h) 159.7696

(i) 436.235 upto 2 places of decimals

(j) 0.00009025

(k) 441 and 0.0441

(l)  $\sqrt{2}$ ,  $\sqrt{3}$ ,  $\sqrt{5}$ ,  $\sqrt{11}$  upto 2 places of decimals

(m)  $12\frac{3}{4}$  upto 2 places of decimals.

Q2. Find the square root of 64 by the method of repeated subtraction.

Q3. Find the smallest square number that is divisible by 3, 6, 10, 15.

Q4. Find the greatest number of six digits which is a perfect square.

Q5. Find the least number which must be added to 893304 to make it a perfect square

Q6. Find the perimeter of a square field whose area is 49 hectares (1 hectare=10000 m<sup>2</sup>)

Q7. Find the square root of 370881 by division method then find

(i)  $\sqrt{37.0881}$  (ii)  $\sqrt{3708.81}$

### Answers

Ans1. (a) 756 (b) 506 (c) 693 (d)  $\frac{85}{33}$  (e)  $\frac{16}{29}$  (f) 225 (g)  $\frac{17}{13}$  (h) 12.64 (i) 20.886

(j) 0.0095 (k) 21, 0.21 (l) 1.41, 1.73, 2.24, 3.32 (m) 3.57

Ans2. (8)      Ans3. (900)      Ans4. (998001)

Ans 5. (1612)      Ans6. (2800m)      Ans7. (609) (i) 6.09 (ii) 60.9