EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Squares and Square Roots

Grade : CBSE Grade VIII

1. What is the unit place digit in the square of 28?

   (i) 2 (ii) 6 (iii) 1 (iv) 0 (v) 4

2. Find the greatest 4 digit number which is a perfect square?

   (i) 9801 (ii) 9798 (iii) 9802 (iv) 9803 (v) 9800

3. Find the least number that must be subtracted from 228 to get a perfect square?

   (i) 6 (ii) 2 (iii) 3 (iv) 4 (v) 0

4. Find the square root of94.30

   (i) 7.71 (ii) 9.71 (iii) 11.71 (iv) 8.71 (v) 10.71

5. Which of the following is a perfect square?

   (i) 99 (ii) 441 (iii) 118 (iv) 10 (v) 1092

6. Find the greatest 3 digit number which is a perfect square?

   (i) 961 (ii) 963 (iii) 960 (iv) 959 (v) 962

7. Find the greatest 5 digit number which is a perfect square?

   (i) 99857 (ii) 99855 (iii) 99853 (iv) 99858 (v) 99856

8. The smallest number by which 27436 must be divided so that the quotient is a perfect square is?

   (i) 21 (ii) 16 (iii) 20 (iv) 18 (v) 19

9. Find the square root of804.047

   (i) 28.356 (ii) 29.356 (iii) 27.356 (iv) 30.356 (v) 26.356

10. Find the square root of8056.0340

    (i) 89.7554 (ii) 87.7554 (iii) 91.7554 (iv) 90.7554 (v) 88.7554

11. Find the smallest perfect square which is divisible by each of the numbers 6,15,8

    (i) 1801 (ii) 3602 (iii) 720 (iv) 7200 (v) 3600

12. Find the least number that must be added to 830 to get a perfect square?

    (i) 11 (ii) 10 (iii) 12 (iv) 13 (v) 9

13. Identify the Pythagorean triplet whose one of the numbers is 35

    (i) {14,35,37} (ii) {12,35,37} (iii) {13,35,34} (iv) {13,35,36} (v) {11,35,36}

14. Identify the Pythagorean triplet whose largest number is 17

    (i) {10,16,17} (ii) {9,14,17} (iii) {8,15,17} (iv) {6,13,17} (v) {7,16,17}

15. If $\sqrt{2601} = 51$, find the value of $\sqrt{26010000}$

(i) 5102 (ii) 5098 (iii) 5100 (iv) 51000 (v) 510

16. Find the square root of $\frac{25}{16}$

(i) $\frac{7}{6}$ (ii) $\frac{5}{4}$ (iii) $\frac{3}{4}$ (iv) $\frac{3}{2}$ (v) $\frac{7}{4}$

17. Find the square root of 9

(i) 6 (ii) 3 (iii) 4 (iv) 1 (v) 2

18. Find the prime factorization of 567

(i) $3^4 \times 10$ (ii) $3^4 \times 7^2$ (iii) $3^4 \times 5$ (iv) $3^4 \times 7$ (v) $3^3 \times 7$

19. Find the smallest 5 digit number which is a perfect square?

(i) 10002 (ii) 9998 (iii) 10000 (iv) 10001 (v) 9999

20. If $\sqrt{7056} = 84$, find the value of $\sqrt{0.7056}$

(i) 0.84 (ii) 2.84 (iii) 8.4 (iv) 0.08 (v) 8.84

21. The solution of $\sqrt{17}$ lies between

(i) 4.1232 and 4.1233 (ii) 4.1233 and 4.1234 (iii) 4.1231 and 4.1232 (iv) 4.1229 and 4.1230

(v) 4.1230 and 4.1231

22. Identify the Pythagorean triplet whose smallest number is 14

(i) {14,49,52} (ii) {14,50,51} (iii) {14,50,52} (iv) {14,49,51} (v) {14,48,50}

23. The solution of $\sqrt{13}$ lies between

(i) 3.7 and 3.8 (ii) 3.8 and 3.9 (iii) 3.5 and 3.6 (iv) 3.6 and 3.7 (v) 3.4 and 3.5

24. Find the smallest 2 digit number which is a perfect square?

(i) 16 (ii) 14 (iii) 18 (iv) 17 (v) 15

25. If $\sqrt{8836} = 94$, find the value of $\sqrt{883600}$

(i) 94 (ii) 938 (iii) 9400 (iv) 940 (v) 942

Assignment Key

1) (v)	2) (i)	3) (iii)	4) (ii)	5) (ii)	6) (i)
7) (v)	8) (v)	9) (i)	10) (i)	11) (v)	12) (i)
13) (ii)	14) (iii)	15) (iii)	16) (ii)	17) (ii)	18) (iv)
19) (iii)	20) (i)	21) (iii)	22) (v)	23) (iv)	24) (i)
25) (iv)					