

CLASS-VIII

- Q1. (i) If one number of the Pythagorean triplet is 6, then find the triplet.
(ii) If one number of the Pythagorean triplet is 9, then find the triplet.

Q2. Find the square root of the following correct to two places of decimal:

(i) $\frac{20}{3}$

(ii) $3\frac{1}{5}$

(iii) $\frac{1}{3}$

Q3. Using properties of squares and square roots calculate: $100^2 - 98^2$

Q4. By what least number should 2028 be multiplied so that the product is a perfect square?
Find the square root of the product so obtained.

Q9. Area of a square field is $80\frac{244}{729}m^2$. What is the length of each side? (ASSET)

- (i) 8.96 m (ii) 10.26 m (iii) 13.54 m (iv) 9.86 m

Q10. A sports teacher wants to arrange 6000 students in a field such that the number of rows is equal to number of columns. Find the number of rows if 71 were left out after arrangement. (D.A.V. Board 2019)

Q14. Express 16 as sum of odd numbers. (D.A.V. Board 2020)

16. Find the greatest number of five digit , which is a perfect square.