**ALPINE PUBLIC SCHOOL**

**Session- 2024-25**

**SUBJECT – Math**

**CLASS – 8th**

**Formative Assessment – I**

**Max Time: 1:30 Hours Max Marks 20**

Q1. What number should be added to 15/16 so that we get the rational number 77/48?

Q2. A designer needs 3/5 of a metre of cloth to make a fancy dress for children taking part in a dance performance. If 200 children are taking part, how much cloth will the designer need?

Q3. Write the additive inverse of -4/9.

Q4. The product of two rational numbers is -28. If one of the numbers is 14/27, find the other.

Q5. Which of the following tiplet are Pythagorean?

1. (20,24,29) b) (30,40,50)

Q6. Is 980 a perfect square? If not, find the smallest number by which 980 must be multiplied so that the product is a perfect square. Also find the square root of the new number.

Q7. Find the least number which is a perfect square and which is also divisible by 16,18 and 45.

Q8. Find the length of the diagonal of a rectangular field which has its length 80cm and breadth 60m.

Q9. What is the smallest number by which 68600 must be multiplied to get a perfect cube?

Q10. How many integers between 1 and 1000 are perfect cubes?