

STEINMONT PUBLIC SCHOOL

Class VIII

MATHEMATICS

Time: 1 hour

Max. Marks: 20

SECTION A (4*1)

- 1) Write the rational number that does not have a reciprocal.
- 2) Write the rational number that is equal to its negative.
- 3) The product of two rational numbers is always a -----
- 4) Rational numbers are ----- under subtraction.

SECTION B (3*2)

- 5) Write the additive inverse of the following:
a) $\frac{-5}{9}$ b) $\frac{-6}{-5}$
- 6) Find the multiplicative inverse of the following:
a) -13 b) $\frac{-5}{8} \times \frac{-3}{7}$
- 7) Multiply $\frac{6}{13}$ by the reciprocal of $\frac{-7}{16}$.

SECTION C (2*3)

- 8) Is 0.3 the multiplicative inverse of $3\frac{1}{3}$? Why or why not ?
- 9) Represent these numbers on the number line.
a) $\frac{7}{4}$ b) $\frac{-5}{6}$

SECTION D (1*4)

- 10) Find ten rational numbers between $\frac{-2}{5}$ and $\frac{1}{2}$.