

# 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  $\frac{1}{2}$ .