

# Rational Numbers

Rational Numbers: any number that can be written as  $\frac{a}{b}$   
 a and b are integers and  $b \neq 0$

Examples:  $0.5 (\frac{5}{10})$ ,  $2\frac{3}{4} (\frac{11}{4})$ ,  $-10.25$ ,  $1.\bar{3}$

Integers: set of whole numbers and their opposites

Examples:  $8, 9, -9, -7$

Whole Numbers: counting numbers (only positive)

Examples:  $3, 4, 10, 26, 56, 101$

Place each number in the Venn diagram. Then classify each number by indicating which set or sets it belongs to.

a) 75 whole number, integer, rational number

e) 14.1 Rational number

b) -3 integer, rational number

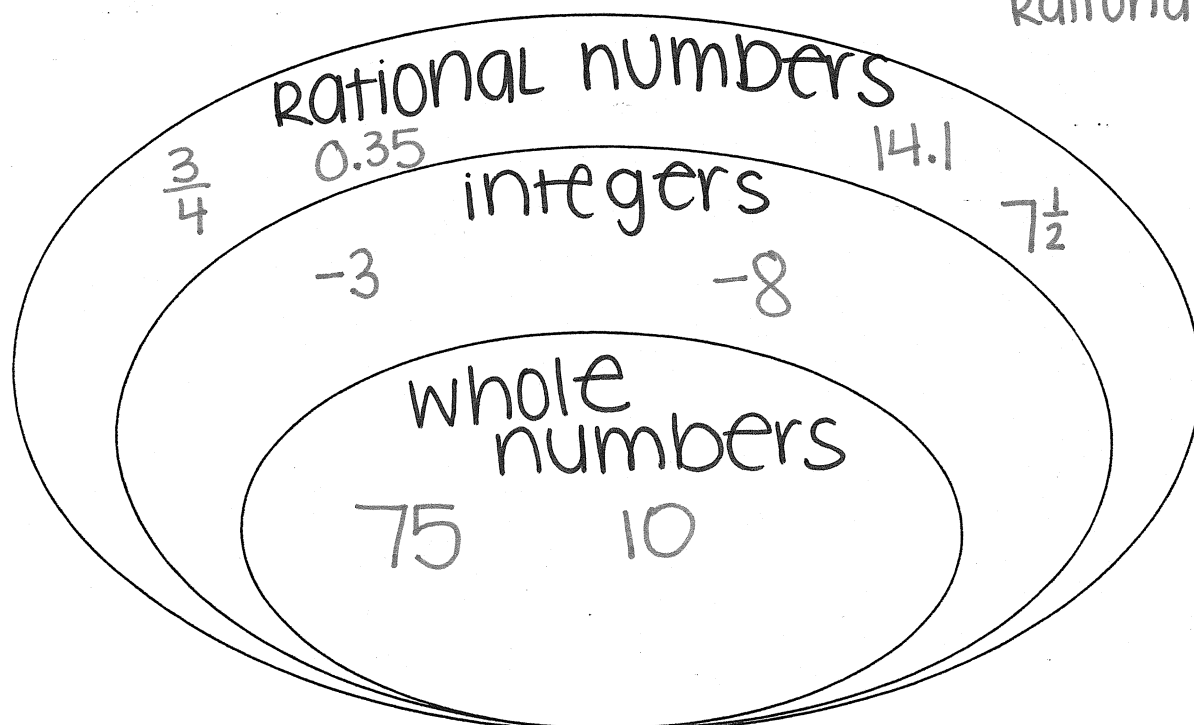
f)  $7\frac{1}{2}$  Rational number

c)  $\frac{3}{4}$  Rational number

g) -8 integer, Rational number

d) 0.35 Rational number

h) 10 whole number, integer, rational number



Name : \_\_\_\_\_

Score : \_\_\_\_\_

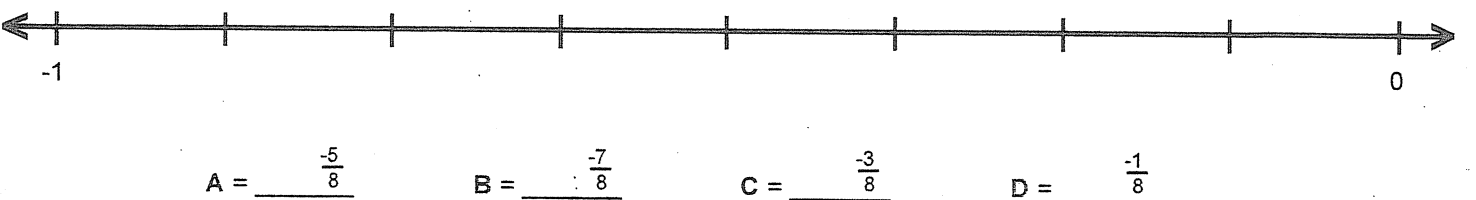
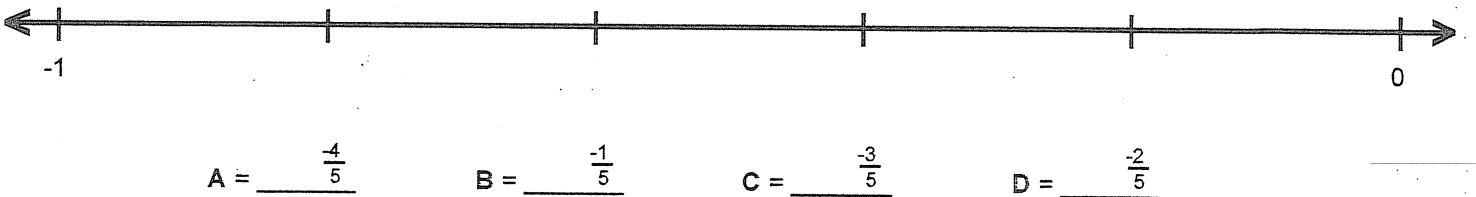
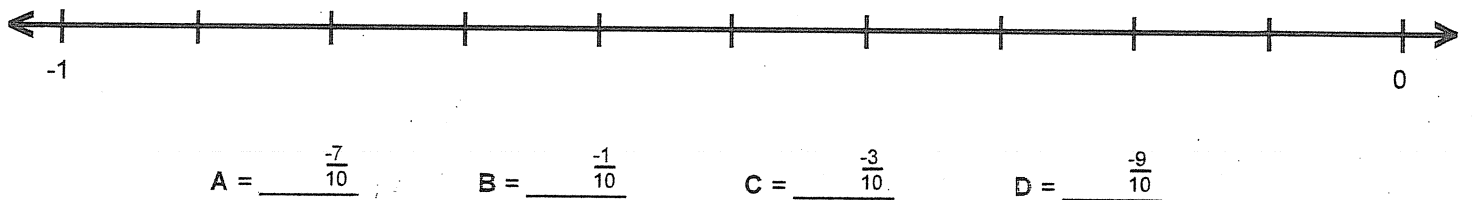
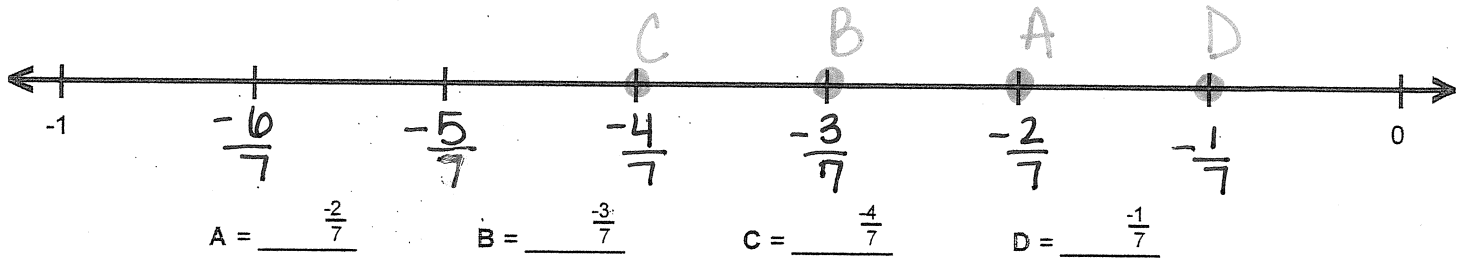
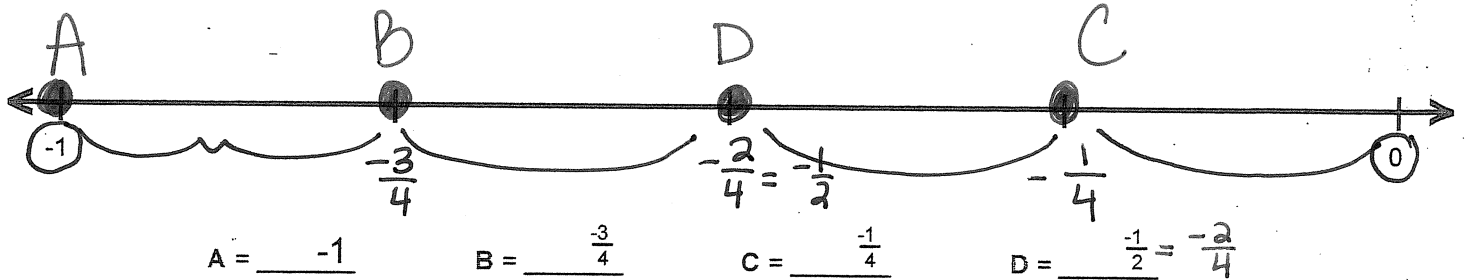
Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

**\*Label all number lines\***

**\*LOOK @ how many Fractions on Number Lines**

groups to know what your denominator is\*

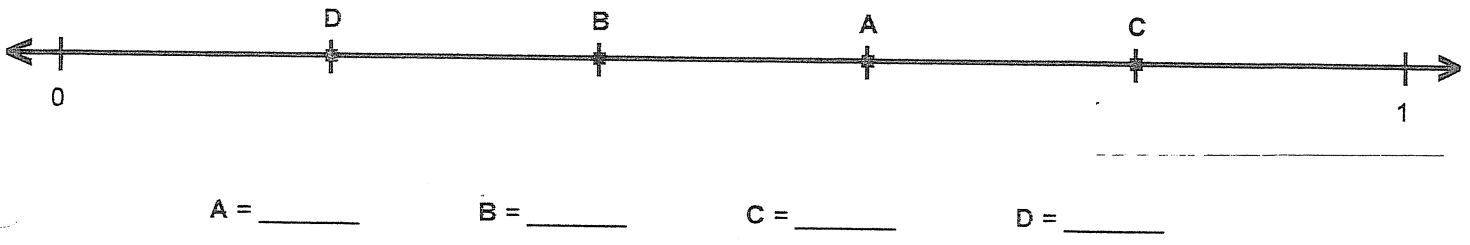
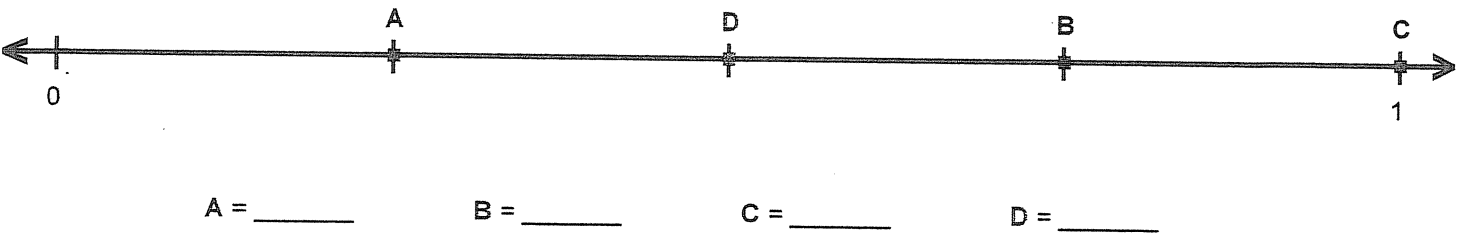
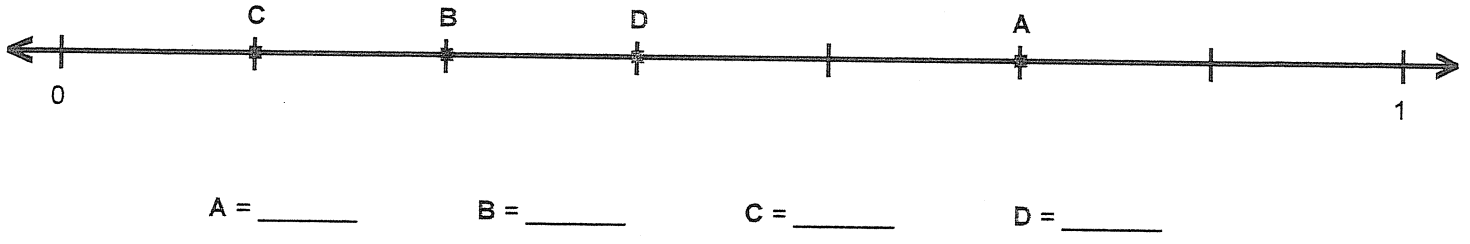
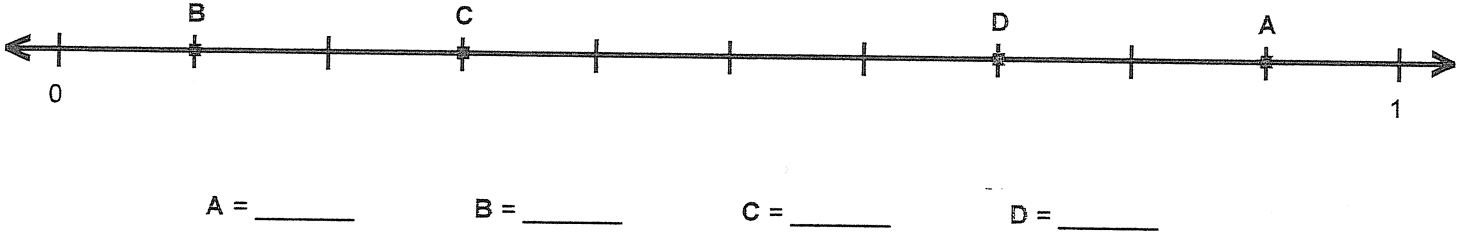
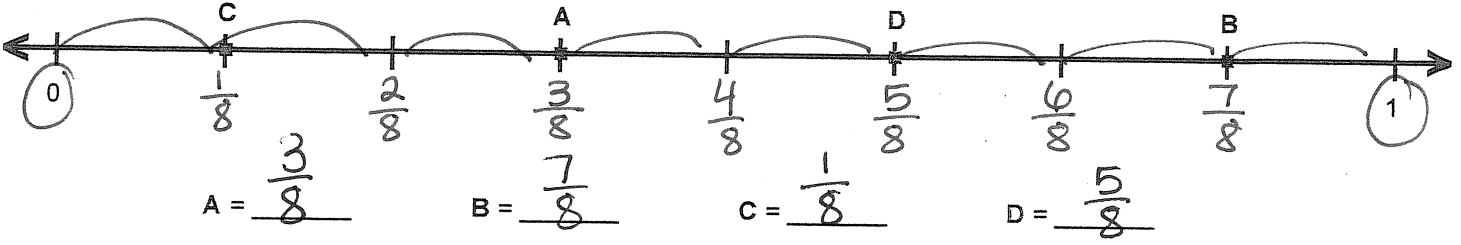


Name : \_\_\_\_\_ Score : \_\_\_\_\_

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

*\*Label all number lines\**

### Fractions on Number Lines



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

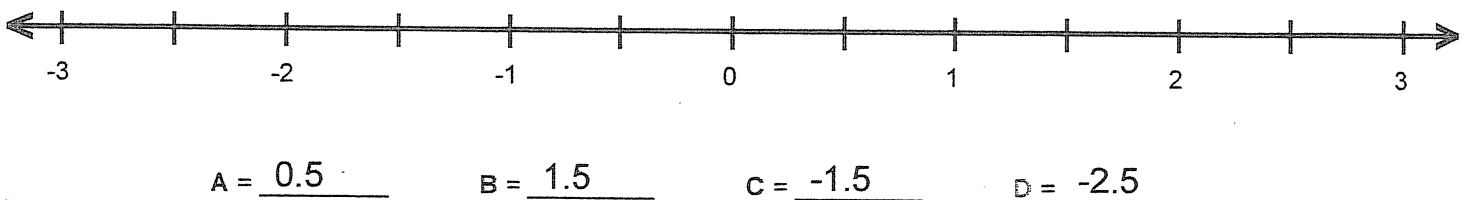
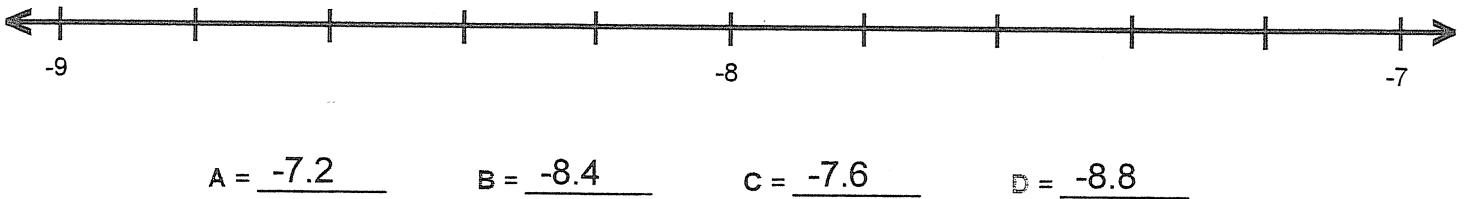
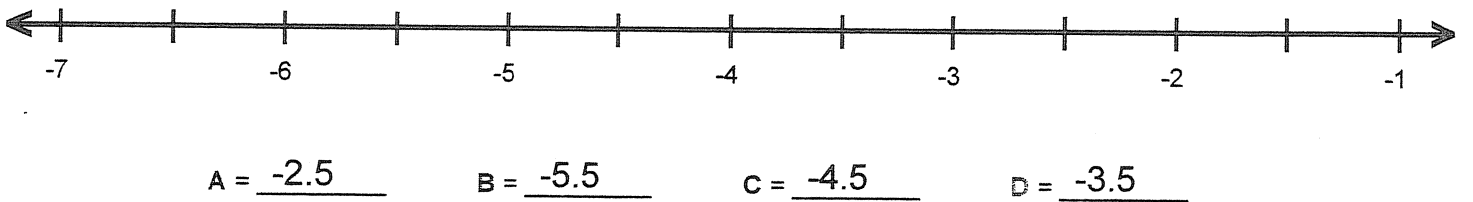
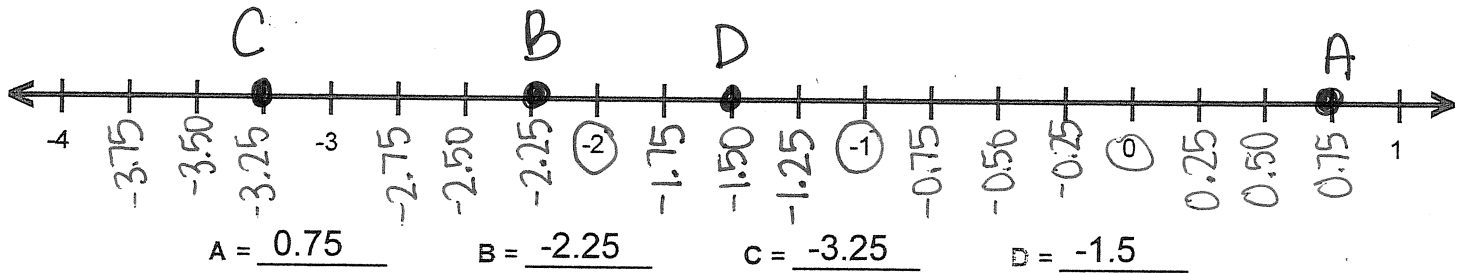
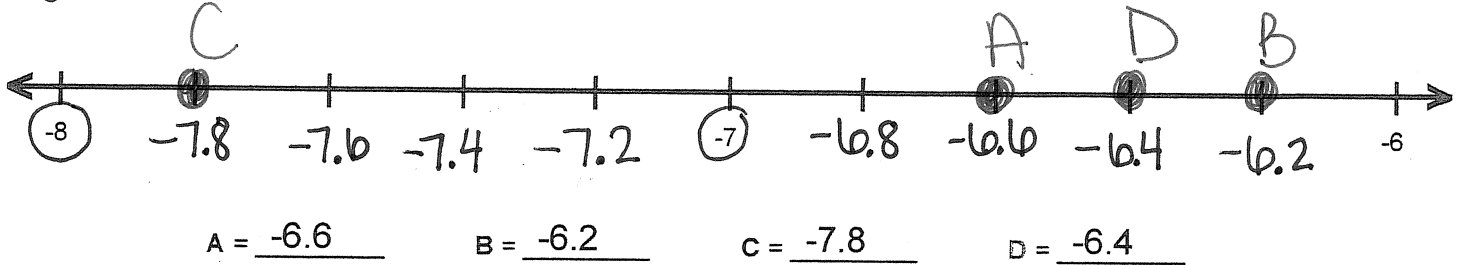
Date : \_\_\_\_\_

**\*Label all number lines\***

### Decimal Numbers on Number Lines

4 groups = count by 0.25  
5 groups = count by 0.2

2 groups = 0.5



Name : \_\_\_\_\_

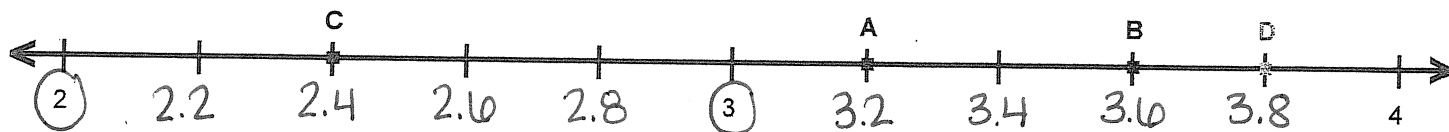
Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

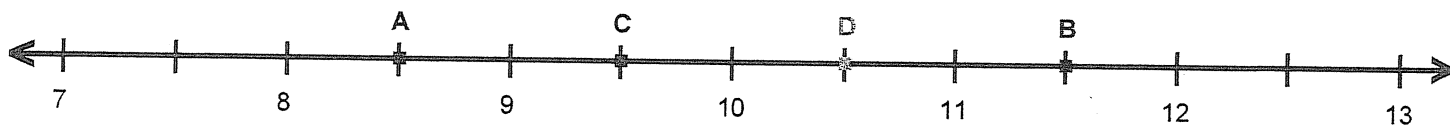
Date : \_\_\_\_\_

*\* Label all number lines \**

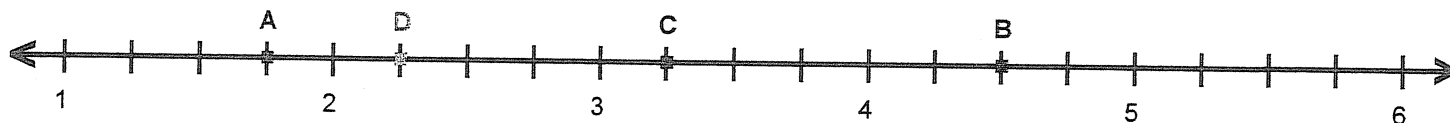
### Decimal Numbers on Number Lines



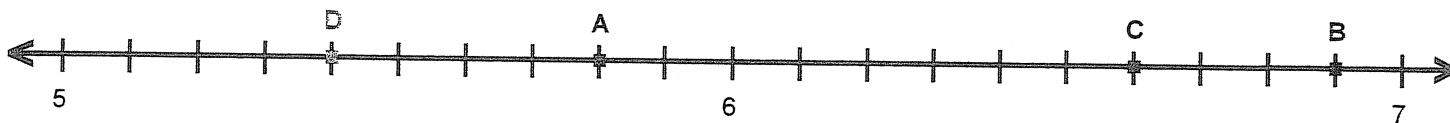
A = 3.2    B = 3.6    C = 2.4    D = 3.8



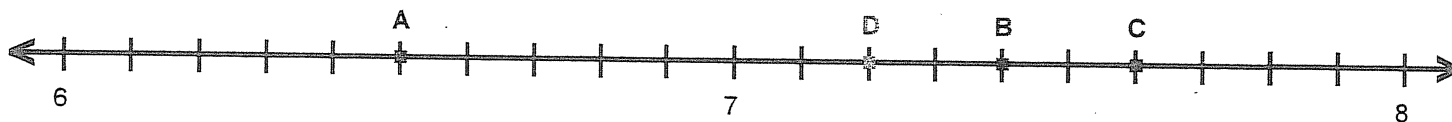
A = \_\_\_\_\_    B = \_\_\_\_\_    C = \_\_\_\_\_    D = \_\_\_\_\_



A = \_\_\_\_\_    B = \_\_\_\_\_    C = \_\_\_\_\_    D = \_\_\_\_\_



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