


Warm-Up January 12, 2018

Order from least to greatest [record your answer in its original form]

$$\frac{2}{-5}, -1.3, \frac{-5}{3}, \sqrt{3}, -0.3, 0.57, \frac{1}{6}$$

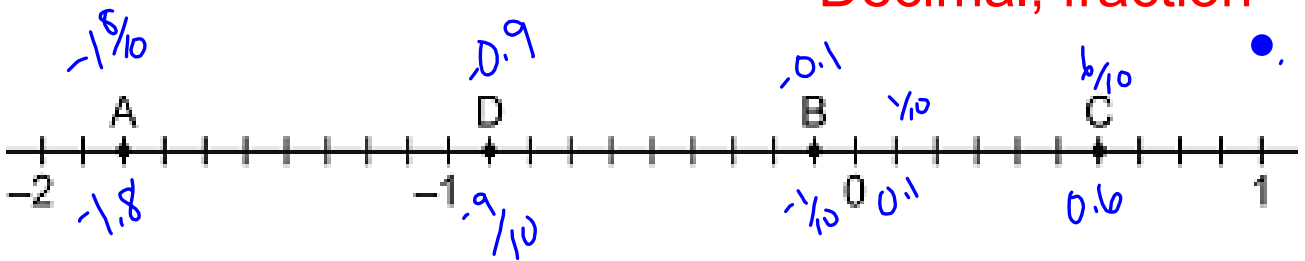
$$-\frac{5}{3}, -1.3, -\frac{2}{5}, -0.3, \frac{1}{6}, 0.57, \sqrt{3}$$

Rational Numbers  Stops [terminates]
OR
Repeats

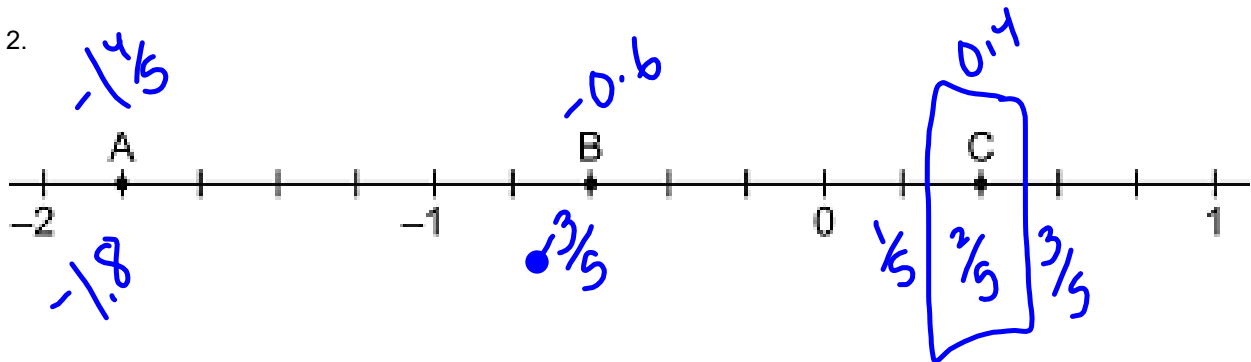
	Rational	Irrational
a) -4.3	✓	
b) $-\frac{2}{6} = -0.\dot{3}$	✓	
c) $\sqrt{2}$		✓
d) 1.43621...		✓
e) 14	✓	
f) 0	✓	

1. Find the number represented by A, B, C, D

Decimal, fraction



2.



Solve each of the following making sure to express your answer in lowest terms and mixed number if necessary!

$$2\frac{2}{5} + \left(-4\frac{1}{2}\right)$$

$$x^2 \frac{12}{5} + \frac{-9}{2} x^5$$

$$\frac{24}{10} + \frac{-45}{10}$$

$$\frac{-21}{10} \quad \left(-2\frac{1}{10}\right)$$

When Adding/
Subtracting fractions
we need common
denominators!

Common
Denominator
"count by"

2, 6, 8, 10, 12, ...

5, 10, 15, ...

Multiplying Fractions \rightarrow multiply numerators then
Denominators * NO COMMON DENOMINATORS!

$$\left(\frac{10}{7}\right)\left(-\frac{13}{8}\right)$$

$$\frac{-130}{56} - 2\frac{18}{56} \quad \text{circled } -2\frac{9}{28}$$

$$\left(-4\frac{3}{5}\right)\left(-2\frac{5}{12}\right)$$

$$-\frac{23}{5} \times -\frac{29}{12}$$

$$\frac{667}{60} \quad \text{circled } 11\frac{7}{60}$$

$$3\frac{1}{4} - \left(-2\frac{2}{3}\right)$$

$$\frac{x^3 13}{x^3 4} - \frac{-8x^4}{3x^4}$$

$$\frac{39}{12} - \frac{32}{12}$$

$$\frac{71}{12} = \left(5\frac{11}{12}\right) -$$

When Dividing Fractions change to a multiplication and take the reciprocal [flip] the fraction!

No
Common
Denominators

$$\left(-2\frac{1}{5}\right) \div \left(-4\frac{3}{4}\right)$$

$$-\frac{11}{5} \div -\frac{19}{4}$$

$$-\frac{11}{5} \times \frac{4}{19}$$

$$\frac{44}{95}$$

SOLVE...REMEMBER ORDERS OF OPERATION!!!

$$3^2 - 14 + 8 \times 2 - 3^2 + (-8 - 7) \times 5$$

$$9 - 14 + 8 \times 2 - 9 + -15 \times 5$$

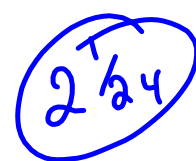
$$9 - 14 + 16 - 9 + -75$$

$$-73$$

$$\frac{2}{3} \times \left(-\frac{1}{2} \right) + \frac{5}{6}$$

$$\frac{-2}{6} + \frac{5}{6}$$
$$\frac{3}{6} = \left(\frac{1}{2} \right)$$

$$\frac{3}{8} - \frac{9}{4} \div \left[\left(-\frac{5}{4} \right) + \left(-\frac{1}{10} \right) \right]$$

A handwritten blue ink expression "2 1/24" is circled. The fraction part "1/24" has a small "T" written above it.

$$2 \frac{1}{24}$$

