Homework Questions??

⑤ $\frac{-2}{3} = -\frac{2}{3} = \frac{2}{-3}$

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⑥ a) $\frac{7}{-9} \overset{\times 2}{=} \frac{14}{-18}$

$= \frac{-7}{9} = -\frac{7}{9}$

c) $-\frac{6}{11} = \frac{-6}{11} = \frac{6}{-11}$

⑦ a) 1.2

b) −1.2

c) $\frac{9}{4} = 2.25$

d) −1.83

⑧ A → −7.9

B → −7.2

C → −4.4

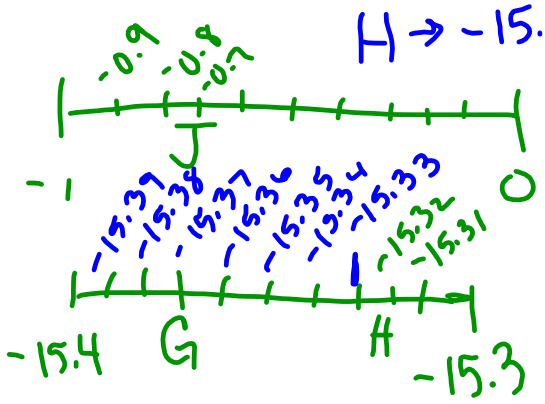
D → −3.2

J → −0.7

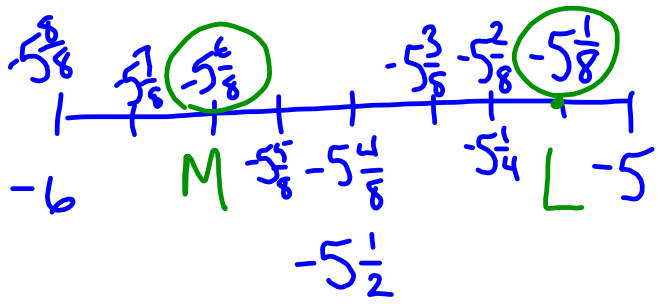
K → −0.2

G → −15.37

H → −15.32



10 b)



$-5\frac{6}{8} \overset{\div 2}{=} -5\frac{3}{4}$

Rational Numbers

- any number that can be written as fraction

- any number that ends

- any decimal number that repeats

Changing fractions to decimals...

Express each fraction as a decimal, then sort as a repeating or terminating decimal.

Repeating

$\frac{-5}{9} = -0.\overline{5}$

$\frac{6}{27} = \frac{2}{9}$

$\frac{27}{33} = \frac{9}{11} = 0.\overline{81}$

$\frac{-8}{5} = -1.6$

$\frac{20}{-10} = -2$

$\frac{18}{12} \div 6 = \frac{3}{2} = 1.5$

Terminating

$\frac{-5}{9}$ $\frac{6}{27}$ $\frac{27}{33}$

$\frac{-8}{5}$ $\frac{20}{-10}$ $\frac{18}{12}$

The numerator is LARGER than the denominator.

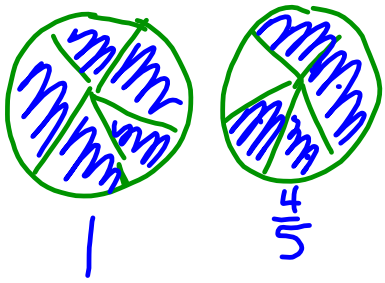
Improper vs. Mixed Fractions

$\frac{7}{3}$ This is a Improper Fraction ⟶ Mixed Fraction: Integer + Fraction

$2\frac{1}{3}$

Imp. $\frac{3}{2} = 1\frac{1}{2}$ Mixed

$\frac{9}{5} \cdot \frac{5}{5} = 1\frac{4}{5}$



$\frac{36}{11} \div \frac{33}{11} = 3\frac{3}{11}$

Arrange the numbers from least to greatest.

$-\frac{3}{8}, \frac{5}{9}, -\frac{10}{4}, -1\frac{1}{4}, \frac{7}{10}, \frac{8}{3}$

0.63 $-2\frac{1}{2}$ 0.7 $2\frac{2}{3}$

$-\frac{10}{4}, -1\frac{1}{4}, -\frac{3}{8}, \frac{5}{9}, \frac{7}{10}, \frac{8}{3}$