Curriculum Outcome

N1: Demonstrate an understanding of rational numbers by: comparing and ordering rational numbers; solving problems that involve arithmetic operations on rational numbers.

Student Friendly:
How to identify a rational numbers and how to write a rational number

Number Systems Quiz

1. Change the fractions to decimals.

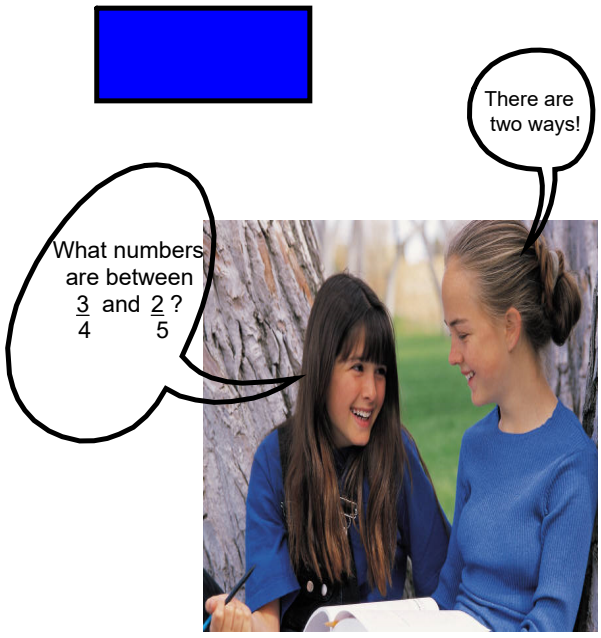
$\frac{2}{5}$ $\frac{3}{4}$

$= 2 \div 5$ $= 3 \div 4$

$= 0.4$ $= 0.75$

2. Write the fractions with common a denominator.

$\frac{2}{5}$ $\frac{3}{4}$



Use a calculator to determine the value of each rational number.

What did you notice??

$-\frac{7}{5} = -1.4$

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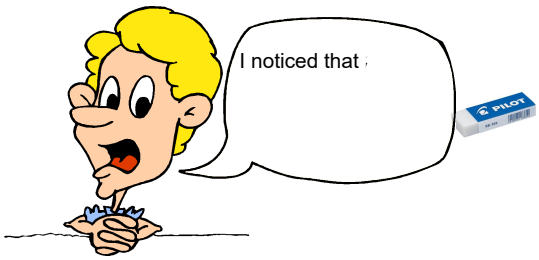
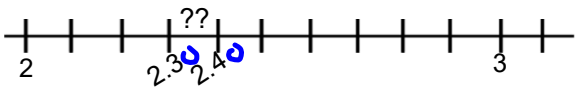


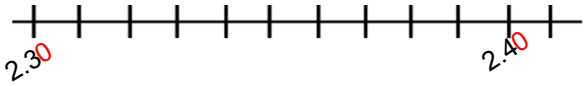
$\frac{-7}{5} = \frac{7}{-5} = -\frac{7}{5}$

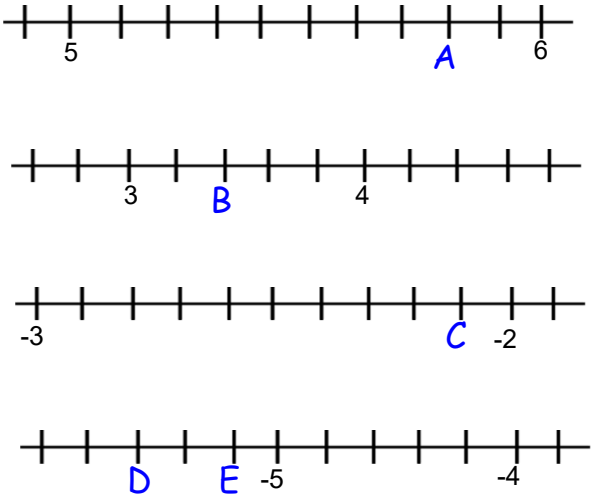


Hint... Add a zero place holder at the end of the decimal.

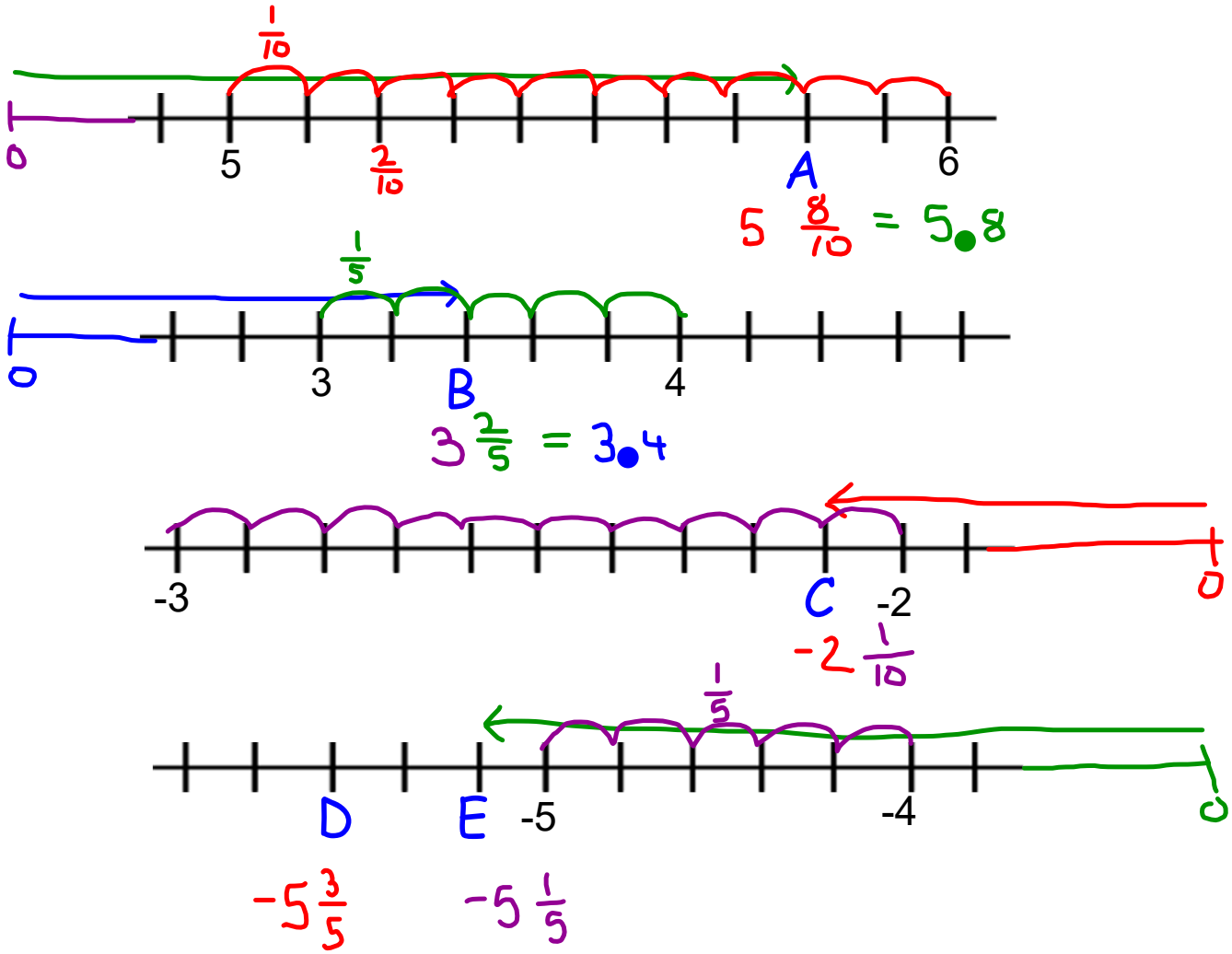
2.30

2.40



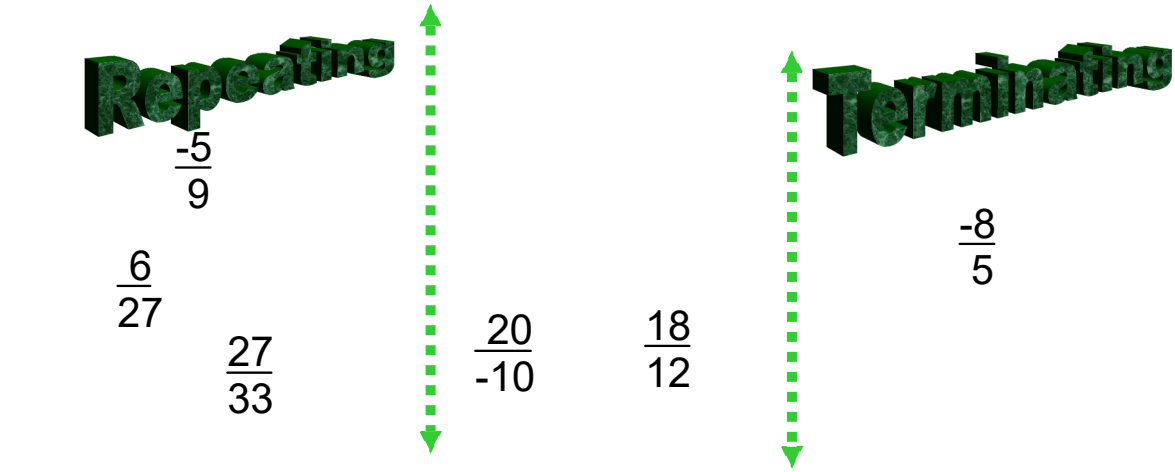

5
A
6
3
B
4
-3
C
-2
D
E
-5
-4


Write the rational number that matches with the letter.


1/10
0
5
2/10
A
6
5 8/10 = 5.8
1/5
0
3
B
4
3 2/5 = 3.4
-3
C
-2
-2 1/10
D
E
-5
-4
-5 3/5
-5 1/5

Changing fractions to decimals...

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



The numerator is LARGER than the denominator.

Improper to Mixed Fractions

This is a Improper Fraction ⟶ Mixed Fraction: Integer + Fraction

$$\frac{7}{3} = 2\frac{1}{3}$$

Now you do:

$$\frac{12}{5} = 2\frac{2}{5}$$

(6x2) +5

Mixed Fractions to Improper

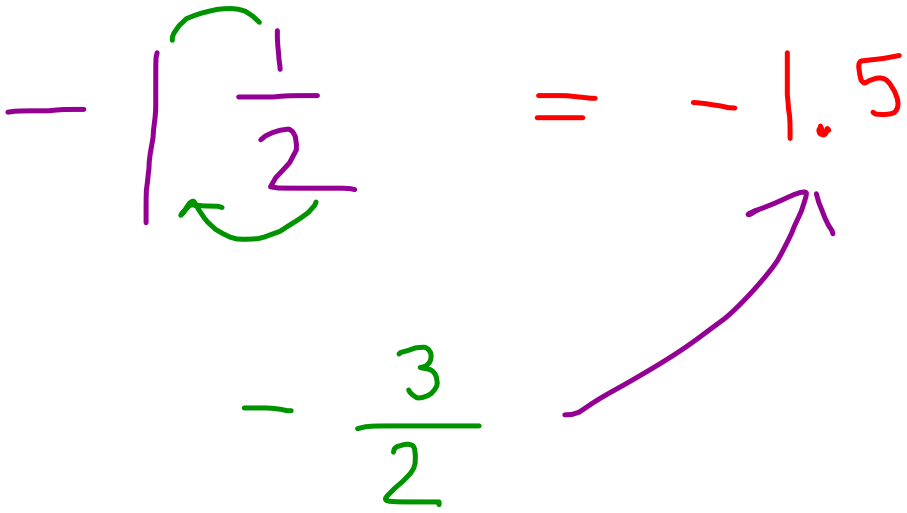
$$2\frac{5}{6} = \frac{17}{6}$$

+

x

$$1\frac{1}{3} = \frac{4}{3}$$

Now you do:

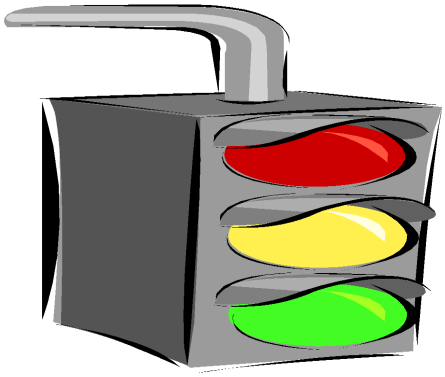

$-1\frac{1}{2} = -1.5$
$-\frac{3}{2}$

Arrange the numbers from least to greatest.

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

-0.375 $0.\overline{55}$ -2.5 -1.25 0.7 $2.\overline{66}$

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



Last night :

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Questions 5,6&7

Homework

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Questions:

8, 10cd, 12af, 16bf,