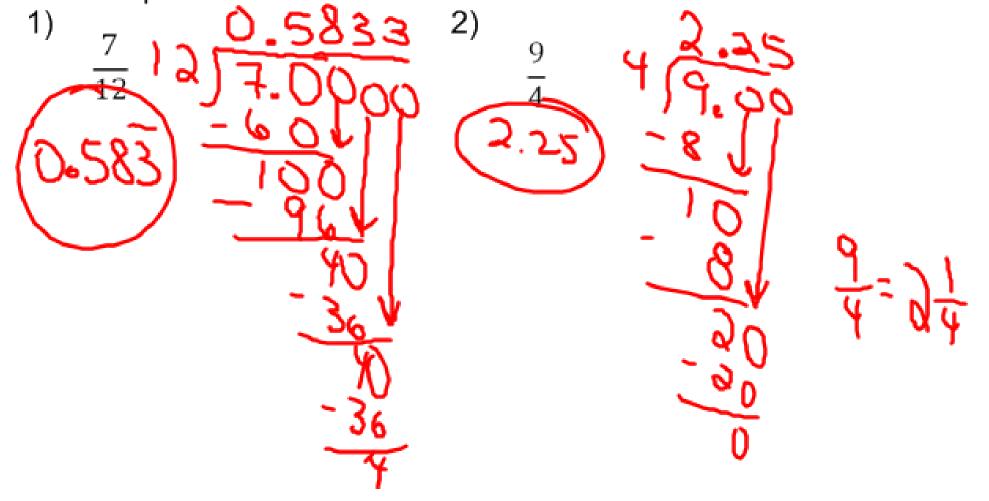
Get out your homework and have it ready to check! Warm Up on the problems below. We will have a Target Check Monday over fractions and decimals.

Classwork - Fractions and Decimals Day 2 4 25 100 = 2.2

Warm Up: Find the decimal value of the fractions below



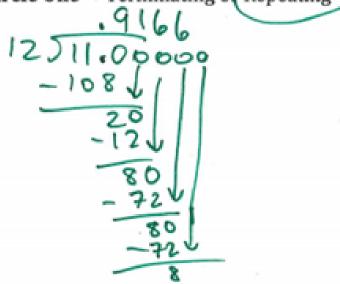
1) Find the decimal value using long division. Put you answer in the space provided and then CIRCLE whether the decimal is terminating or repeating. SHOW WORK

A) 
$$\frac{3}{8} = 0.375$$

Circle One - Terminating or Repeating

B) 
$$4\frac{11}{12} = 4.916$$

Circle One → Terminating of Repeating

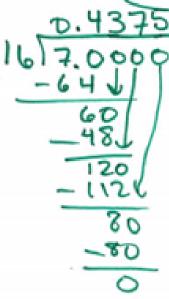


C) 
$$6\frac{5}{11} = 6.45$$

Circle One → Terminating of Repeating

D) 
$$-\frac{7}{16} = -0.4375$$

Circle One → Terminating or Repeating



2) Write each fraction as a decimal by making the denominator a power of 10. SHOW WORK

A) 
$$\frac{3}{5} = 0$$
, (6

A) 
$$\frac{3}{5} = 0.6$$
 B)  $\frac{18}{20} = 0.9$  C)  $3\frac{24}{50} = 3.48$  D)  $8\frac{20}{25} = 8.8$ 

c) 
$$3\frac{24}{50} = 3.48$$

D) 
$$8\frac{20}{25} = \frac{8}{5}$$

$$\frac{3.2}{5.2} = \frac{6}{10}$$
  $\frac{18.5}{20.5} = \frac{90}{100} = 0.90$   $\frac{24.2}{50.2} = \frac{48}{100}$   $\frac{20.4}{25.4} = \frac{80}{100} = 8.80$ 

## **Write Decimals as Fractions**

Turn to p. 266

Every terminating decimal can be written as a fraction with a denominator of 10, 100, 1,000, or a greater power of ten. Use the place value of the final digit as the denominator.



## Example



7. Find the fraction of the fish in the aquarium that are goldfish. Write in simplest form.

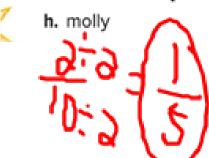
$$0.15 = \frac{15}{100}$$
The digit 5 is in the hundredths place.
$$= \frac{3}{20}$$
Simplify.

So,  $\frac{3}{20}$  of the fish are goldfish.

Fish	Amount
Angelfish	0.4
Goldfish	0.15
Guppy	0.25
Molly	0.2

Got it? Do these problems to find out.

Determine the fraction of the aquarium made up by each fish. Write the answer in simplest form.



i. guppy

100+22 \

j. angelfish



## **Guided Practice**

## Write each fraction or mixed number as a decimal. Use bar notation

if needed. (Examples 1-6)

1. 
$$\frac{2}{5} =$$

2. 
$$-\frac{9}{10} =$$

3. 
$$\frac{5}{9} =$$
\_\_\_\_\_

During a hockey game, an ice resurfacer travels 0.75 mile.
 What fraction represents this distance? (Example 7)

Extra Practice - Write the following decimals as a fraction.

$$1.15 = \frac{1.3}{20}$$