

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

Core: \_\_\_\_\_

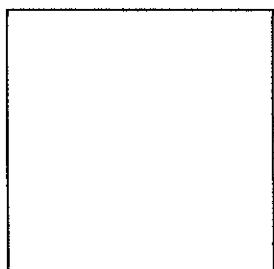
## Multiplying Fractions Practice

Due Tuesday, November 14<sup>th</sup>

Show how to solve the following problems using fraction squares, the number line and multiplication sentences. Check that all 3 answers are the same for each problem!

1. Chloe has been hoping for a lot of snow. The weather report said that  $\frac{4}{5}$  of an inch of snow is falling every hour. Suppose it only snows for  $\frac{3}{4}$  of an hour. How much snow will fall?

Fraction Squares:



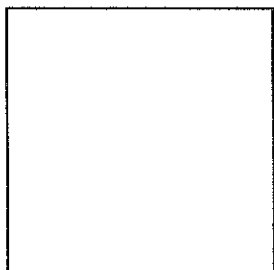
Number Line:



Multiplication Sentence:

2. Brynn's new puppy is gaining  $\frac{5}{6}$  of a pound every month. She wants to know how much weight her puppy will gain in  $\frac{2}{3}$  of a month.

Fraction Square:



Number Line:



Multiplication Sentence:

3. Solve the following multiplication sentences. Reduce to simplest form when you can.

a.  $\frac{1}{4} \times \frac{3}{5} =$

b.  $\frac{2}{3} \times \frac{3}{8} =$

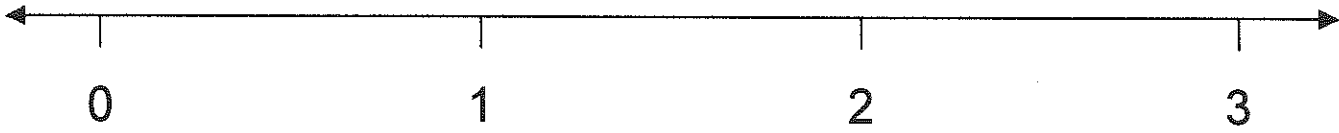
c.  $\frac{5}{6} \times \frac{4}{5} =$

d.  $\frac{2}{3} \times 3\frac{1}{2} =$

Find the product of these multiplication sentences using the number line. Check your answer using the multiplication sentence.

Hint: Can you reduce before you multiply or make the number line?

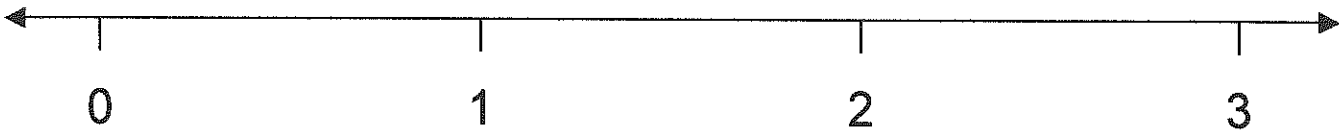
4.  $\frac{2}{3} \times 6$



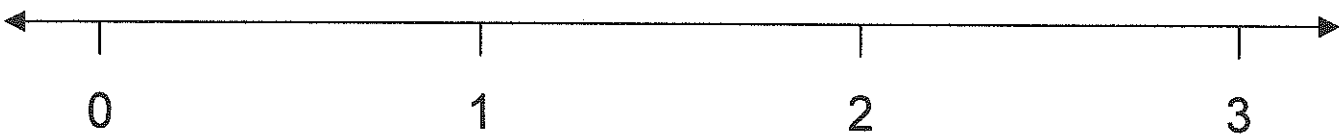
5.  $2 \times \frac{4}{3} =$



6.  $\frac{3}{2} \times \frac{4}{5}$



7.  $\frac{5}{4} \times \frac{4}{2} =$



**Homework Reflection Questions {required}**

How do you change a whole number into a fraction? Show an example.

Explain what you must do to mixed numbers before you multiply fractions.