

Warmup:

1. A cake recipe uses two eggs. You have a dozen eggs. How many cakes can you make?

2. You have one-half dollar. How many quarters are in the half dollar?

3. What is one-half times four?

4. Write the mixed number as an improper fraction

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

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

6. $2\frac{1}{2} \times \frac{1}{4}$

I. Change Division to Multiplication

Notice Questions 2 and 3 from the Warmup:

How many quarters are in a half dollar?



$$\frac{1}{2} \div \frac{1}{4} =$$

$$\frac{1}{2} \cdot \frac{4}{1} =$$

_____ quarters are in a half-dollar.

To divide fractions:

1. Keep the first fraction

2. Change $\div$ to multiplication

3. Flip the second fraction (reciprocal)

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

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

TEST THE RULE!!

What is 10 divided by 2?

$$10 \div 2 =$$

$$\frac{6}{7} \div \frac{2}{3}$$

$$\frac{7}{8} \div \frac{5}{6}$$

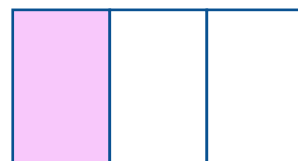
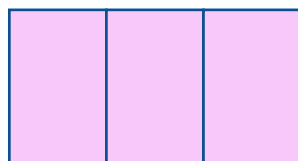
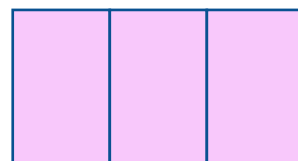
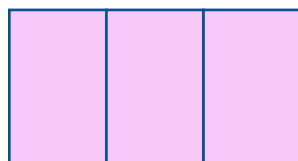
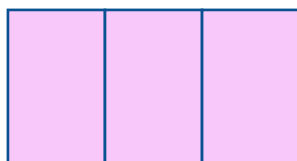
8. $\frac{4}{5} \div \frac{6}{7}$

9. $\frac{3}{4} \div \frac{7}{8}$

10.

II. Mixed Numbers, Whole Numbers, Fractions and Division

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



To divide whole or mixed numbers and fractions:

1. Change the whole and mixed numbers to improper fractions

2. Keep the first fraction

3. Change $\div$ to multiplication

4. Flip the second fraction (reciprocal)

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

$$\frac{22}{4} \div \frac{2}{1} =$$

$$\frac{22}{4} \cdot \frac{1}{2} =$$

$$2\frac{3}{4} \div \frac{7}{22}$$

$$\frac{7}{8} \div 8\frac{1}{6}$$

$$4\frac{1}{5} \div 2$$

$$2\frac{6}{7} \div 3\frac{2}{21}$$

11 $5\frac{1}{4} \div \frac{7}{8}$

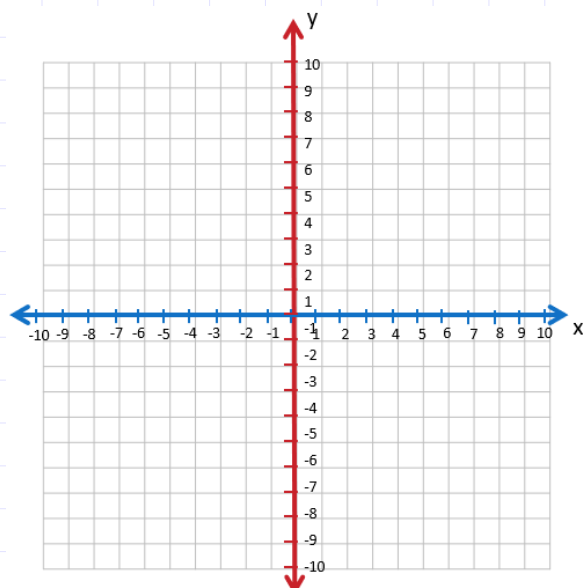
12 $8\frac{2}{5} \div 6$

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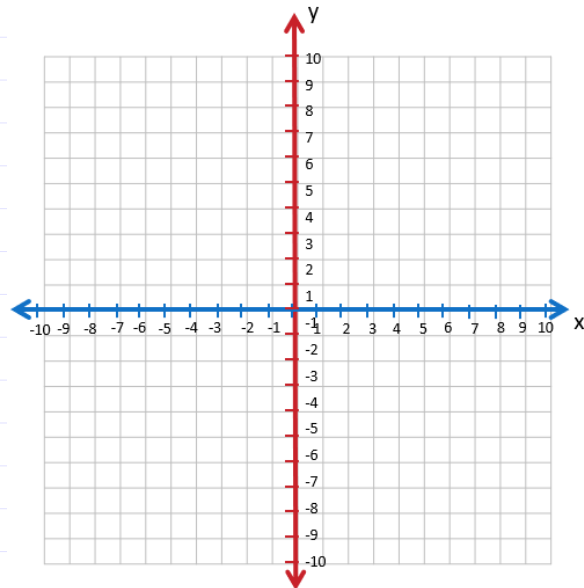
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III. Practice

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