

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?

Homeschool



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Pre-Algebra and Geometry I

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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?

$$10 \div 2 =$$

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

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

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

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

$$7y^3(4y^5 + 2y^4)$$

$$-3y(8y^2 + 7y^3)$$

8. $6c^5(4c^2 + 7c^7)$

9. $5r(10r^2 + 3r^7)$

[illegible]