

Multiplying Fractions

Objectives -

Model multiplication with fractions.

Solve multiplying fraction problems.

Dec 1-4:31 PM

Multiplying a fraction by a whole number

Tape diagrams

You won $\frac{1}{2}$ of 4 pans of brownies that were given away at Rocktoberfest. How many pans of brownies did you win?

Draw a picture to solve.

Write a multiplication sentence to represent the problem.

Dec 1-4:33 PM

You won $\frac{1}{2}$ of 2 pans of brownies that were given away at Rocktoberfest. How many pans of brownies did you win?

Draw a picture to solve.

Write a multiplication sentence to represent the problem.

Dec 1-4:49 PM

You won $\frac{1}{2}$ of 1 pans of brownies that were given away at Rocktoberfest. How many pans of brownies did you win?

Draw a picture to solve.

Write a multiplication sentence to represent the problem.

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You won $\frac{1}{2}$ of $\frac{1}{2}$ of a pan of brownies that were given away at Rocktoberfest. How many pans of brownies did you win?

Draw a picture to solve.

Write a multiplication sentence to represent the problem.

Dec 1-4:50 PM

When you multiply fractions your answer always relates to the *whole*.

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Your mom makes the world's best lasagna. You decide to sell her lasagna to make money to buy a new phone.

You have a pan of lasagna that is $\frac{2}{3}$ full. Your neighbor buys half of it.

Draw a model to solve the problem.

Write a multiplication sentence to represent the problem.

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Your cousin Lulu buys $\frac{3}{4}$ of a pan that is $\frac{1}{2}$ full.

Draw a model to solve the problem.

Write a multiplication sentence to represent the problem.

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Your Uncle JoJo buys a $\frac{2}{3}$ of a pan that is $\frac{3}{4}$ full.

Draw a model to solve the problem.

Write a multiplication sentence to represent the problem.

Dec 1-5:00 PM

What have you noticed about the size of your answers in these multiplication problems?

What does your answer always refer to?

Dec 1-5:03 PM

Practice modeling and solving. *Simplify first?

1) $\frac{1}{3}$ of $\frac{3}{4}$ 2) $\frac{3}{4}$ of $\frac{2}{3}$

3) $\frac{3}{6}$ of $\frac{1}{3}$ 4) $\frac{1}{5}$ of $\frac{1}{2}$

Dec 3-1:20 PM

* Simplify first

① $\frac{1}{2} \cdot 4\frac{2}{5}$

② $\frac{1}{4} \cdot 8\frac{4}{9}$

Dec 2-2:31 PM

① Block 3 only

$$-1\frac{7}{8} \cdot -2\frac{2}{5}$$

Dec 2-2:34 PM

Block 1 & 2 text

Classwork:

Page 269 (#1-8)

Page 277 (#1-9)

Page 285 (#1-8)

If you finish... then do Page 286 (#14-16) **HOT** Problems!

Dec 3-1:26 PM

Block 3 text

Classwork:

Page 315 (#1-11)

Page 316 (#15-17)

Dec 2-2:35 PM

Complete the following lab sheet.

You may continue to use the rectangular paper to help you solve, but you must draw your models on the sheet as well.

Write a multiplication sentence to represent the problems as well.

Dec 1-5:05 PM

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Dec 2-2:31 PM

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Dec 2-2:27 PM