Division Expressions with Fractions and Mixed Numbers

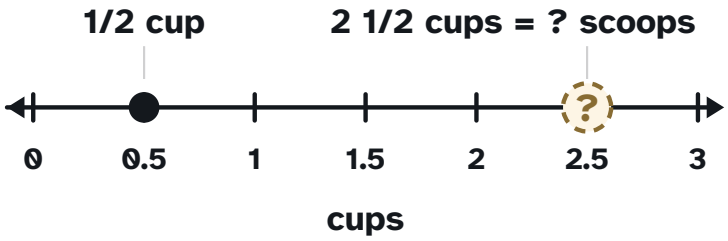
Divide a fraction or mixed number by a fraction and say what the answer means.

Name _____ **Date** _____

Tonight's spark

Your family has 2 1/2 cups of rice for dinner. The serving scoop holds 1/2 cup. How many scoops of rice is that?

Make a guess first: more than 2 scoops, or fewer?



Our class model: one fraction first

Try it

Work it out on paper. Write one answer on each line.

1 **What is 1/2 ÷ 1/8?**

A. 1/16 **B.** 1/4 **C.** 8 **D.** 4

My answer _____

2 **To compute 2/3 ÷ 5/7, change ÷ to × and flip 5/7. Complete: 2/3 × ?**

A. 7/5 **B.** 5/7 **C.** 3/2 **D.** 14/15

My answer _____

3 **Use common denominators: 2/3 = 4/6. What is 2/3 ÷ 1/6?**

A. 1/4 **B.** 6 **C.** 4 **D.** 4/6

My answer _____

4 **What is 5/6 ÷ 5/12?**

A. 25/72 **B.** 2 **C.** 1/2 **D.** 1

My answer _____

5 **What is 3 1/3 ÷ 5/6?**

A. 25/9 **B.** 8/5 **C.** 1/4 **D.** 4

My answer _____

6 **A ribbon is 2 1/4 yards long. Each piece is 3/4 yard. How many pieces can be cut?**

A. 3 **B.** 27/16 **C.** 1/3 **D.** 1 1/2

My answer _____

Talk about it

Which number are we dividing BY: the rice or the scoop?

Home mission

Use any 1/2-cup scoop and a bowl. Pretend the bowl holds 2 1/2 cups of rice. Ask your student: how many scoops? Listen for "two and a half cups is five halves."

If we get stuck, ask

- What do we do first when we see a mixed number like 2 1/2?
- Which fraction gets flipped — the first one or the second one?
- After we multiply, can we make the answer smaller? Let's simplify.

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/6-2/homework.html

How did it feel? (optional)

Tricky Getting there Got it