Divide Whole Numbers by Fractions

Divide a whole number by a fraction by asking how many pieces fit.

Name _____ **Date** _____

Tonight's spark

A corner store has 4 pounds of rice. Each bag holds 1/2 pound. How many bags can the store fill?

Guess first: will it be fewer than 4 bags, or more?



Our class model: Keep, Change, Flip

Try it

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

1 **What is the reciprocal of 2/3?**

A. 2/3 **B.** 3/2 **C.** 5/3

My answer _____

2 **How many 1/3s fit in 2 wholes?**

A. 6 **B.** 2/3 **C.** 5 **D.** 3

My answer _____

3 **Which is the Keep, Change, Flip rewrite of 5 ÷ 1/4?**

A. 5 × 1/4 **B.** 5 ÷ 4 **C.** 1/5 × 4 **D.** 5 × 4/1

My answer _____

4 **Find 7 ÷ 1/2.**

A. 14 **B.** 3 1/2 **C.** 9 **D.** 5

My answer _____

5 **Find 8 ÷ 2/3.**

A. 16/3 **B.** 12 **C.** 10 **D.** 24

My answer _____

6 **A scoop holds 1/4 pound. How many scoops can you fill from a 5-pound bag?**

A. 1 1/4 **B.** 9 **C.** 20

My answer _____

Talk about it

Are half-pound bags big or small? Should the store fill more than 4 bags, or fewer?

Home mission

Find a 1/2-cup scoop and a big bowl. Ask first: will it take more or fewer than 3 scoops to measure 3 cups? Then scoop rice or water and count.

If we get stuck, ask

- Which fraction do we flip — and which number stays the same?
- Once we flip, what multiplication problem do we have now?
- Should the answer be bigger or smaller than the whole number? Why?

Do it on a screen

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

eduwonderlab.com/lessons/6-9/homework.html

How did it feel? (optional)

Tricky Getting there Got it