

dividing fractions

Keep it-

Keep the 1st fraction the same

Change it-

Change the \div to \times

Flip it-

Flip the 2nd fraction over to find the reciprocal

dividing fractions

fractions \div fractions

My gas tank is two thirds full. A trip to the beach uses one sixth of a tank. How many times can I go to the beach before I run out of gas?

Interpret *How many $\frac{1}{6}$ are in $\frac{2}{3}$?*

Write as an equation $\frac{2}{3} \div \frac{1}{6}$

1. Keep it
2. Change it
3. Flip it

$$\frac{\cancel{2} \cdot \cancel{6} \cdot \cancel{2}}{\cancel{3} \cdot \cancel{1}} = \frac{4}{1} \quad \text{4 times}$$

mixed numbers & fractions

How many $\frac{1}{4}$ cup servings are in $4 \frac{1}{2}$ cups of cereal?

Interpret *How many $\frac{1}{4}$ cups are in $4 \frac{1}{2}$ cups?*

Write as an equation $4 \frac{1}{2} \div \frac{1}{4}$

1. Convert mixed numbers to improper fractions

$$\frac{9}{2} \div \frac{1}{4}$$

2. Keep it
3. Change it
4. Flip it

$$\frac{\cancel{9} \cdot \cancel{4} \cdot \cancel{2}}{\cancel{2} \cdot \cancel{1}} = \frac{18}{1} \quad \text{18 servings}$$