

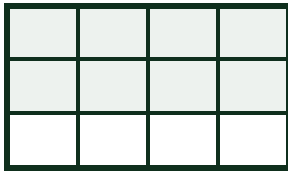


ANCHOR CHART · GRADE 5 · 5.NF.B.7

Dividing Fractions

$$\frac{2}{3} \div \frac{1}{4} = \text{how many fourths fit in two thirds?}$$

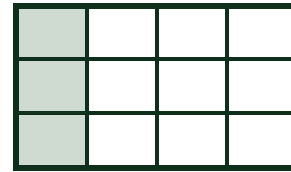
1 What You Have



$$2/3 = 8 \text{ twelfths}$$

Cut into **twelfths** so fourths and thirds can share a grid.

2 The Group to Pull Out



$$1/4 = 3 \text{ twelfths}$$

One fourth of the same square is a group of 3 cells.

3 Count the Groups



2 full groups + 2 of the 3 cells needed

$$= 2 \frac{2}{3} \text{ groups}$$

8 cells ÷ groups of 3 → 2 groups, then **2 out of 3** of another.

4 The Shortcut It Proves

$$\frac{2}{3} \div \frac{1}{4} = \frac{2}{3} \times \frac{4}{1} = \frac{8}{3}$$

$$\text{keep} \cdot \text{change} \cdot \text{flip} = 2 \frac{2}{3} \checkmark$$

The flip isn't magic - it's the picture in #3, written as arithmetic.