



Dividing fractions

GRADE 6 MATH

Name _____

Date _____

Do this on your own — the worked example shows what to do. Show your thinking; final answers in the boxes. One skill: **dividing fractions**.

WORKED EXAMPLE

Keep • Change • Flip. Keep $\frac{3}{5}$, change $\div$ to $\times$, flip $\frac{1}{10}$ to $\frac{10}{1}$: $\frac{3}{5} \times \frac{10}{1} = \frac{30}{5} = 6$. It means: six $\frac{1}{10}$ s fit inside $\frac{3}{5}$. Dividing by a number smaller than 1 gives a bigger answer.

1. Compute $\frac{1}{3} \div \frac{1}{9}$.

FLUENCY

Show your thinking

Answer

2. Compute $\frac{3}{5} \div \frac{1}{5}$.

FLUENCY

Show your thinking

Answer

3. Compute $\frac{5}{6} \div \frac{5}{12}$.

FLUENCY

Show your thinking

Answer

4. Compute $\frac{2}{3} \div \frac{1}{2}$. Give your answer as a fraction.

APPLICATION

Show your thinking

Answer

5. Compute $4 \div \frac{2}{5}$.

APPLICATION

Show your thinking

Answer

6. Compute $\frac{3}{4} \div 6$. (Careful — the divisor is a whole number.)

APPLICATION

Show your thinking

Answer

7. A rope is 9 m long. How many $\frac{3}{8}$ -m pieces can be cut from it?

REASONING

Show your thinking

Answer

8. Mia says $5/8 \div 1/4$ should be smaller than $5/8$. Compute it and explain whether she is right.

REASONING

Show your thinking

Answer