

Push Tasks



Convert mixed numbers to improper fractions first, and check a claimed quotient by working it out yourself.

1. $1\frac{1}{2} \div \frac{3}{4}$.

2. A student says $\frac{4}{5} \div \frac{2}{3} = \frac{8}{15}$. Are they correct? Explain.

3. A jug is $\frac{3}{4}$ full. Each pour uses $\frac{1}{8}$ of the jug. How many pours is that?

4. Find a fraction so that $\frac{2}{3} \div \square = \frac{10}{9}$.

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Reason about which quotient is greater, and identify the odd one out among similar-looking calculations.

5. Which is greater: $\frac{5}{6} \div \frac{1}{3}$ or $\frac{3}{4} \div \frac{1}{2}$?
Show enough working to justify.

6. Is $\frac{6}{7} \div \frac{3}{14} = 4$ correct? Explain.

7. Which does not belong: $\frac{1}{2} \div \frac{1}{4}$,
 $2 \div \frac{1}{2}$, $\frac{3}{4} \div \frac{3}{8}$, $\frac{5}{6} \div \frac{5}{6}$?

8. Explain why $\frac{4}{9} \div \frac{2}{3}$ can be
rewritten as $\frac{4}{9} \times \frac{3}{2}$.