

Excellence

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

2. $2\frac{1}{4} \div \frac{3}{8}$.

3. $\frac{5}{6} \div \frac{10}{9}$.

4. $\frac{7}{12} \div \frac{14}{15}$.

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

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

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

8. Fill in both blanks: $\square \div \frac{2}{3} = \frac{5}{4}$.

Which is greater: $\frac{5}{6} \div \frac{1}{3}$
or $\frac{3}{4} \div \frac{1}{2}$?

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

11. A rope is $\frac{5}{6}$ m long.
Each piece is $\frac{5}{18}$ m long.
How many pieces?

12. Complete: if $\frac{3}{5} \div \frac{m}{2} = \frac{4}{5}$,
then $m = \underline{\hspace{2cm}}$.

13. Write $3 \div \frac{4}{15}$ as a single simplified fraction.

14. A batch uses $\frac{2}{3}$ cup
of rice. You have $4\frac{2}{3}$
cups. How many batches?

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

16. Explain why $\frac{4}{9} \div \frac{2}{3}$ equals
 $\frac{4}{9} \times \frac{3}{2}$.