Divide any pair of fractions

Complete the calculations.
a) $6 \div \frac{1}{3}=\square$
b) $6 \div \frac{1}{4}=$ $\square$


Use Rosie's method to complete the calculations.
a) $\frac{2}{3} \div \frac{1}{6}=$
e) $\frac{3}{5} \div \frac{3}{4}=\square$
b) $\frac{1}{6} \div \frac{2}{3}=\square$
f) $\frac{3}{4} \div \frac{3}{5}=\square$
c) $5 \div \frac{3}{10}=$
g) $\frac{11}{16} \div \frac{3}{4}=\square$
d) $\square$
h) $\frac{3}{4} \div \frac{11}{16}=\square$

3
fractions, convert them so they have the same denominator and then divide


$$
\begin{array}{l|l}
\frac{5}{8} \div \frac{1}{4}=\frac{5}{8} \div \frac{2}{8}=\frac{5}{2}=2 \frac{1}{2} & 3 \div \frac{4}{5}=\frac{3}{1} \div \frac{4}{5}=\frac{15}{5} \div \frac{4}{5}=\frac{15}{4}=3 \frac{3}{4}
\end{array}
$$

Use Dexter's method to work out:
a) $\frac{2}{3} \div \frac{1}{6}=$
e) $\frac{3}{5} \div \frac{3}{4}=$ $\square$
b) $\frac{1}{6} \div \frac{2}{3}=$
f) $\frac{3}{4} \div \frac{3}{5}=\square$
c) $5 \div \frac{3}{10}=\square$
g) $\frac{11}{16} \div \frac{3}{4}=\square$
d)
d) $\frac{3}{10} \div 5=$
h) $\frac{3}{4} \div \frac{11}{16}=\square$Compare your answers to questions 2 and 3
Which method did you prefer using, and why?
Discuss it with a partner

Look at the method shown to work out $4 \div 0.6$

$$
4 \div 0.6=4 \div \frac{3}{5}=4 \times \frac{5}{3}=\frac{20}{3}=6 \frac{2}{3}
$$

Use this method to complete the calculations.
a) $3 \div 0.2=\square$
b) $6 \div 0.4=$

Convert both decimals into fractions to complete the calculations.
a) $0.75 \div 0.25=\square \div \square=\square$
b) $0.5 \div 0.125=\square \div \square=\square$
c) $0.6 \div 0.25=$

d) $0.9 \div 0.25=$
Circle the calculation in each set that gives a different answer.
a)
a) $\quad \frac{3}{4} \div \frac{2}{3}$
$\frac{3}{4} \times \frac{2}{3}$
$\frac{3}{4} \times \frac{3}{2}$
b)

$$
\frac{4}{5} \div \frac{1}{3}
$$

$$
\frac{1}{3} \div \frac{4}{5}
$$

$$
\frac{5}{4} \times \frac{1}{3}
$$

c)
$\frac{5}{8} \times \frac{2}{3} \quad \frac{2}{3} \times \frac{5}{8} \quad \frac{2}{3} \div \frac{5}{8} \quad \frac{5}{8} \div \frac{3}{2}$
8. Work out these values if $x=\frac{1}{2}, y=\frac{3}{4}$ and $z=\frac{4}{5}$
a) $x y$
b) $\frac{x}{y}$
c) $y z$
d) $\frac{y}{z}$
e) $x y z$
f) $\frac{x y}{z}$
$\square$

