

1 Simplify:

**a**  $\frac{x}{2} \times \frac{y}{5}$

**b**  $\frac{a}{2} \times \frac{3}{a}$

**c**  $\frac{a}{2} \times a$

**d**  $\frac{a}{4} \times \frac{2}{3a}$

**e**  $\frac{c}{5} \times \frac{1}{c}$

**f**  $\frac{c}{5} \times \frac{c}{2}$

**g**  $\frac{a}{b} \times \frac{c}{d}$

**h**  $\frac{a}{b} \times \frac{b}{a}$

**i**  $\frac{1}{m^2} \times \frac{m}{2}$

**j**  $\frac{m}{2} \times \frac{4}{m}$

**k**  $\frac{a}{x} \times \frac{x}{b}$

**l**  $m \times \frac{4}{m}$

**m**  $\frac{3}{m^2} \times m$

**n**  $\left(\frac{a}{b}\right)^2$

**o**  $\left(\frac{2}{x}\right)^2$

**p**  $\frac{1}{a} \times \frac{a}{b} \times \frac{b}{c}$

2 Simplify:

**a**  $\frac{a}{2} \div \frac{a}{3}$

**b**  $\frac{2}{a} \div \frac{2}{3}$

**c**  $\frac{3}{4} \div \frac{4}{x}$

**d**  $\frac{3}{x} \div \frac{4}{x}$

**e**  $\frac{2}{n} \div \frac{1}{n}$

**f**  $\frac{c}{5} \div 5$

**g**  $\frac{c}{5} \div c$

**h**  $m \div \frac{2}{m}$

**i**  $m \div \frac{m}{2}$

**j**  $1 \div \frac{m}{n}$

**k**  $\frac{3}{g} \div 4$

**l**  $\frac{3}{g} \div \frac{9}{g^2}$