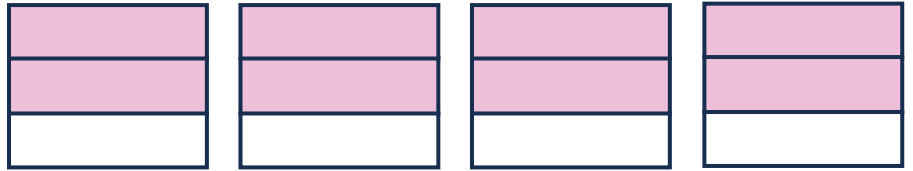


Multiply and divide fractions

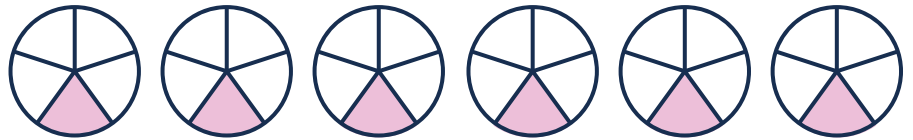
Question 1

Can you use these images to help you complete the calculations?

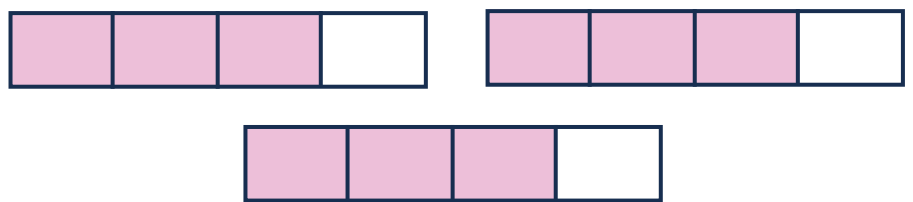
a $\frac{2}{3} \times 4 = \frac{\square}{\square}$



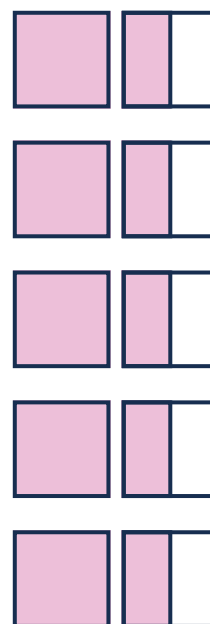
b $\frac{1}{5} \times 6 = \frac{\square}{\square}$



c $\frac{3}{4} \times 3 = \frac{\square}{\square}$



d $1 \frac{1}{2} \times 5 = \frac{\square}{\square}$



Multiply and divide fractions

Question 2

Complete these multiplication questions. Give your answers as both an improper fraction and a mixed number.

$$\text{a } 7 \times \frac{1}{5} = \frac{\square}{\square} = \square \frac{\square}{\square}$$

$$\text{b } 5 \times \frac{2}{8} = \frac{\square}{\square} = \square \frac{\square}{\square}$$

$$\text{c } 2 \times \frac{4}{5} = \frac{\square}{\square} = \square \frac{\square}{\square}$$

$$\text{d } 4 \times \frac{6}{7} = \frac{\square}{\square} = \square \frac{\square}{\square}$$

$$\text{e } \frac{2}{4} \times 9 = \frac{\square}{\square} = \square \frac{\square}{\square}$$

$$\text{f } \frac{1}{5} \times 6 = \frac{\square}{\square} = \square \frac{\square}{\square}$$

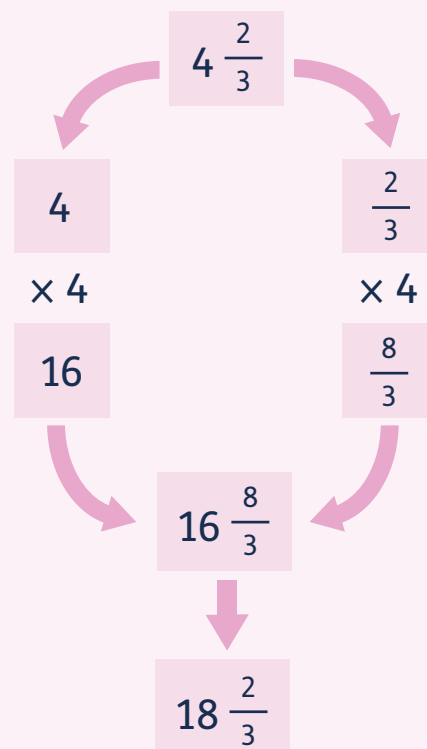
Question 3

We can use a function machine to help multiply mixed numbers by whole numbers.

Look at this example.

What is $4 \frac{2}{3} \times 4$?

$18 \frac{2}{3}$

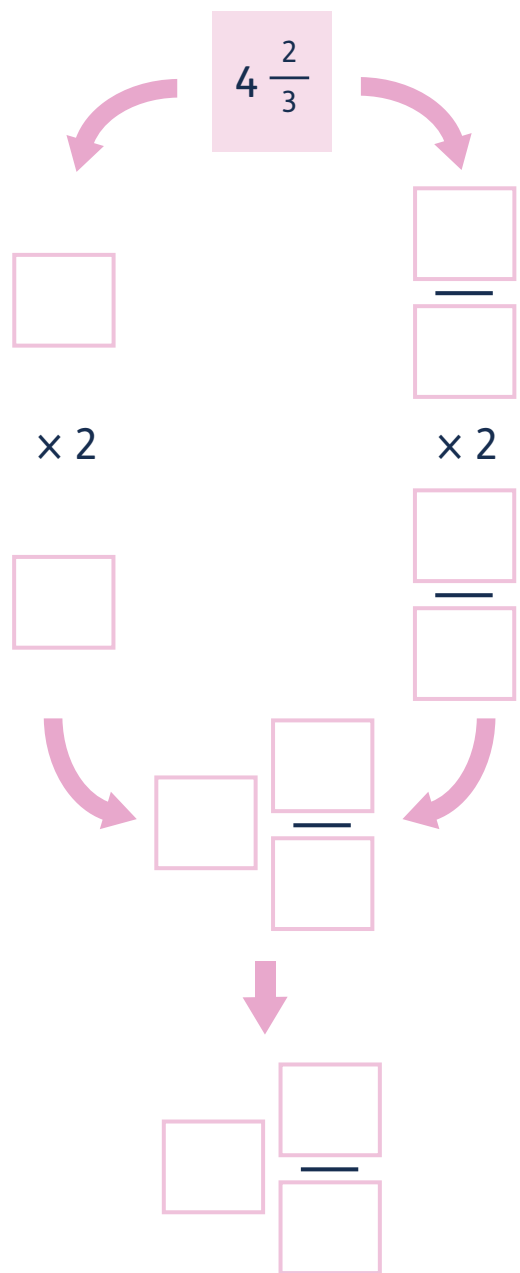
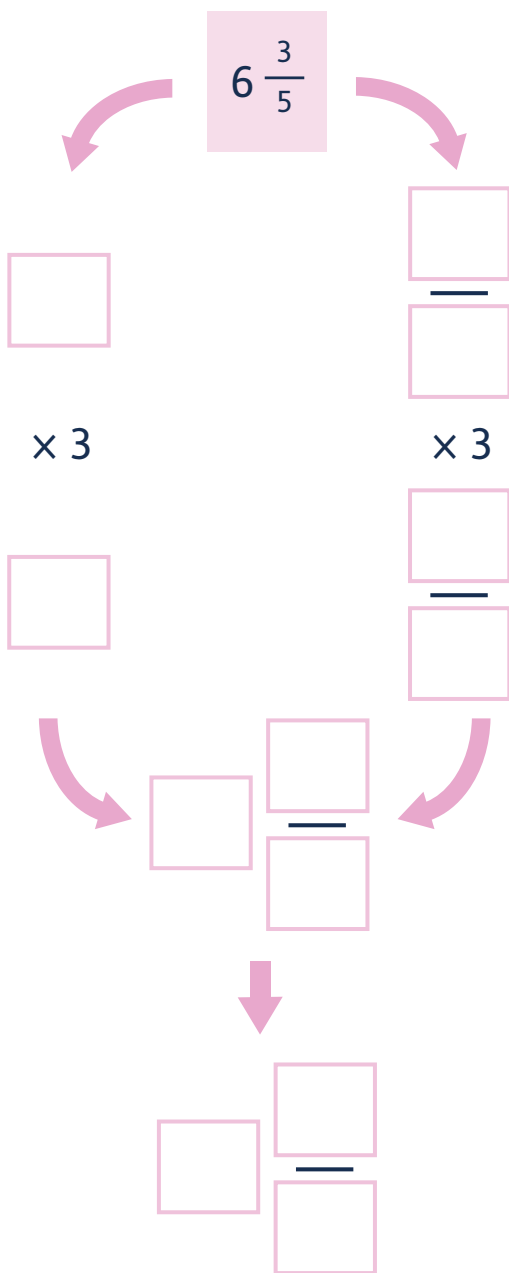


Multiply and divide fractions

Can you use a function machine to help answer these questions?

a $6 \frac{3}{5} \times 3 = \square \frac{\square}{\square}$

b $4 \frac{2}{3} \times 2 = \square \frac{\square}{\square}$



Multiply and divide fractions

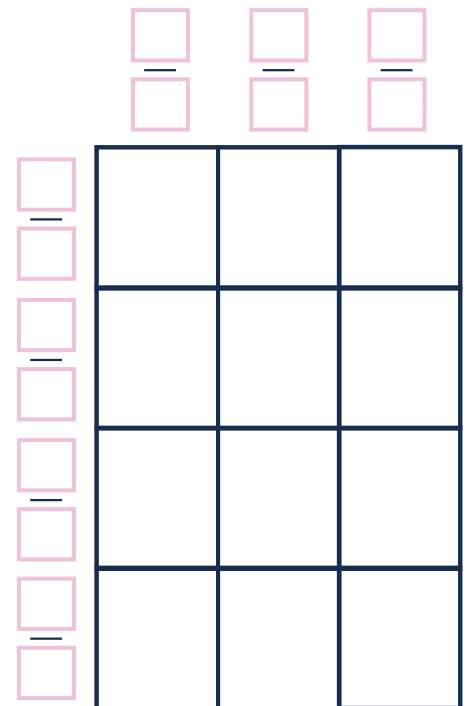
Question 4

Use these images to help you answer these questions.

a $\frac{2}{3} \times \frac{3}{5} = \frac{\square}{\square}$

b $\frac{1}{2} \times \frac{1}{4} = \frac{\square}{\square}$

c $\frac{1}{3} \times \frac{3}{4} = \frac{\square}{\square}$



Question 5

Can you complete these multiplication calculations?
Can you write them in their simplest form?

a $\frac{1}{4} \times \frac{2}{7} = \frac{\square}{\square} = \frac{\square}{\square}$

b $\frac{3}{5} \times \frac{1}{6} = \frac{\square}{\square} = \frac{\square}{\square}$



Multiply and divide fractions

$$c \quad \frac{1}{2} \times \frac{4}{7} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

$$d \quad \frac{7}{8} \times \frac{4}{5} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

Question 6

Can you complete these division calculations?

$$a \quad \frac{2}{3} \div 2 = \frac{\boxed{}}{\boxed{}}$$

$$b \quad \frac{6}{10} \div 6 = \frac{\boxed{}}{\boxed{}}$$

$$c \quad \frac{4}{5} \div 4 = \frac{\boxed{}}{\boxed{}}$$

$$d \quad \frac{8}{9} \div 8 = \frac{\boxed{}}{\boxed{}}$$

$$e \quad \frac{8}{10} \div 4 = \frac{\boxed{}}{\boxed{}}$$

$$f \quad \frac{4}{7} \div 2 = \frac{\boxed{}}{\boxed{}}$$

$$g \quad \frac{9}{14} \div 3 = \frac{\boxed{}}{\boxed{}}$$

$$h \quad \frac{10}{13} \div 5 = \frac{\boxed{}}{\boxed{}}$$

$$i \quad \frac{12}{15} \div \boxed{} = \frac{4}{15}$$

$$j \quad \frac{\boxed{}}{8} \div 2 = \frac{3}{8}$$

$$k \quad \frac{2}{5} \div \boxed{} = \frac{1}{5}$$

$$l \quad \frac{\boxed{}}{15} \div 3 = \frac{2}{15}$$

Question 7

Can you complete these more challenging division calculations?

$$a \quad \frac{1}{3} \div 2 = \frac{\boxed{}}{\boxed{}}$$

$$b \quad \frac{3}{5} \div 4 = \frac{\boxed{}}{\boxed{}}$$

$$c \quad \frac{5}{8} \div 3 = \frac{\boxed{}}{\boxed{}}$$

