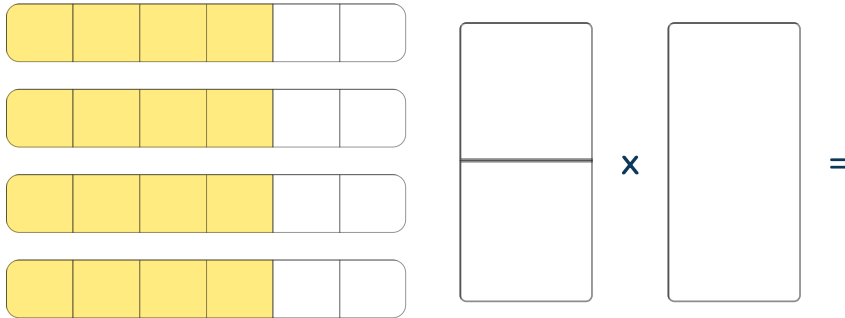


To know how to multiply a non-unit fraction by an integer

- 1 a Which calculation is shown here? Complete the calculation and find the answer. Write your answer as a mixed number and in its simplest form.



- b Use the bar model method to work out $\frac{3}{8} \times 2$. Write your answer in its simplest form.

Use your preferred method to calculate:

c $4 \times \frac{2}{11}$

d $3 \times \frac{5}{16}$

e $4 \times \frac{5}{12}$

- 2 a Use this number line to show how to calculate $3 \times \frac{4}{10}$.



- b Draw a number line to calculate $6 \times \frac{3}{16}$.

Use your preferred method to calculate:

c $\frac{3}{9} \times 6$

d $\frac{3}{5} \times 7$

e $4 \times \frac{5}{6}$

To know how to multiply a non-unit fraction by an integer

- 3 Use some of the digit cards to complete this calculation. You may only use each digit card once

a

$$\begin{array}{|c|} \hline \\ \hline \\ \hline \end{array} \times \begin{array}{|c|} \hline \\ \hline \\ \hline \end{array} = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline & \\ \hline \end{array}$$

3 5 7 9 11 8

b

$$\begin{array}{|c|} \hline \\ \hline \\ \hline \end{array} \times \begin{array}{|c|} \hline \\ \hline \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \\ \hline \end{array}$$

9 6 4 3 2

To know how to multiply a non-unit fraction by an integer

Question Number	Question	Answer
1	<p>a) Which calculation is shown here? Complete the calculation and find the answer. Write your answer as a mixed number and in its simplest form.</p> <p>b) Use the bar model method to work out $\times 2$. Write your answer in its simplest form.</p> <p>Use your preferred method to calculate:</p> <p>c) $4 \times \frac{2}{11}$</p> <p>d) $3 \times \frac{5}{16}$</p> <p>e) $4 \times \frac{5}{12}$</p>	<p>a) $\frac{4}{6} \times 4 = \frac{16}{6}$ or $2 \frac{2}{3}$</p> <p>b) Diagram should be shaded to show 2 groups of $\frac{3}{8}$ $2 \times \frac{3}{8} = \frac{6}{8}$ or $\frac{3}{4}$</p> <p>c) $4 \times \frac{2}{11} = \frac{8}{11}$</p> <p>d) $3 \times \frac{5}{16} = \frac{15}{16}$</p> <p>e) $4 \times \frac{5}{12} = \frac{20}{12}$ or $1 \frac{2}{3}$</p>
2	<p>a) Use this number line to show how to calculate $3 \times \frac{4}{10}$</p> <p>b) Draw a number line to calculate $6 \times \frac{3}{16}$.</p> <p>Use your preferred method to calculate:</p> <p>c) $\frac{3}{9} \times 6$</p> <p>d) $\frac{3}{5} \times 7$</p> <p>e) $4 \times \frac{5}{6}$</p>	<p>a) $3 \times \frac{4}{10} = \frac{12}{10}$ or $1 \frac{1}{5}$</p> <p>b) $6 \times \frac{3}{16} = \frac{18}{16}$ or $1 \frac{1}{8}$</p> <p>c) $\frac{3}{9} \times 6 = \frac{18}{9}$ or 2</p> <p>d) $\frac{3}{5} \times 7 = \frac{21}{5}$ or $4 \frac{1}{5}$</p> <p>e) $\frac{5}{6} \times 4 = \frac{20}{6}$ or $3 \frac{1}{3}$</p>
3	Use some of the digit cards to complete this calculation. You may only use each digit card once.	<p>a) $\frac{7}{9} \times 11 = 8 \frac{5}{9}$</p> <p>b) $2 \times \frac{3}{4} = \frac{6}{4} = 1 \frac{1}{2}$</p>