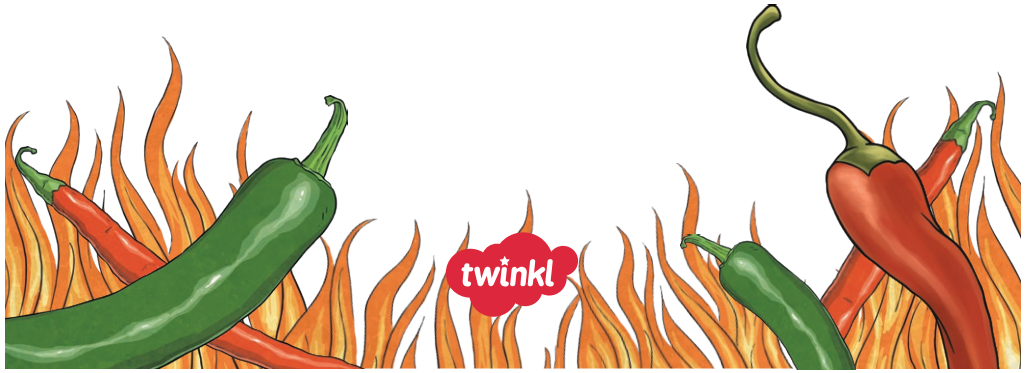
Chilli Challenge

Fractions



Recognise, Name and Write Fractions

Count up and down in tenths.

"One tenths, two tenths, three tenths..."

$\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$

$\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$

Recognise, Name and Write Fractions

Recognise that tenths arise from dividing an object into ten equal parts.

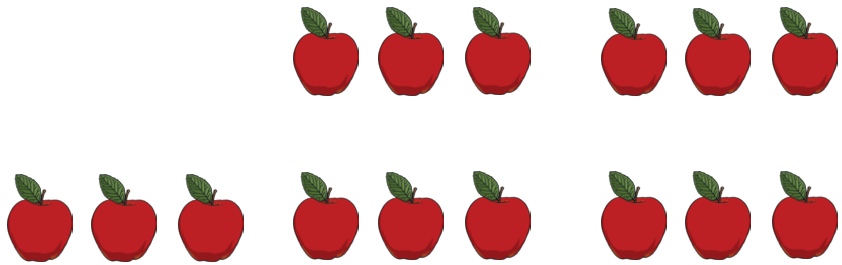
Colour $\frac{4}{10}$

Recognise, Name and Write Fractions

Recognise, find and write fractions of a discrete set of objects.

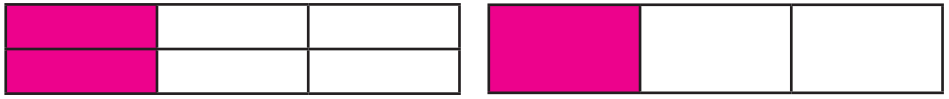
Unit fractions:

Find $\frac{1}{5}$ of these objects.



Equivalence

Recognise and show, using diagrams, equivalent fractions with small denominators.



Which equivalent fractions do these represent?

Solve Problems

Solve problems that include some of the other objectives.

Which is greater?

$\frac{1}{4}$ of 20p or $\frac{1}{3}$ of 30p

Calculate

Add or subtract the following fractions.
Colour the bars to work out your answer.

$\frac{5}{7} + \frac{1}{7} =$

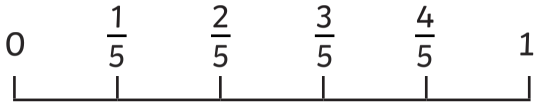
$\frac{4}{5} - \frac{1}{5} =$

Compare and Order

Compare and order fractions with the same denominators.

Add > or < to make the statements true.

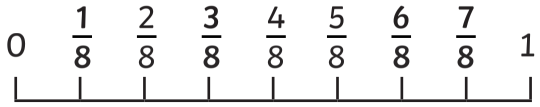
$\frac{4}{5}$ $\frac{2}{5}$



Compare & Order

Order these fractions from smallest to greatest.

$\frac{6}{8}$ $\frac{3}{8}$ $\frac{7}{8}$ $\frac{1}{8}$



Recognise, Name and Write Fractions

Count up and down in tenths.

"One tenths, two tenths, three tenths..."

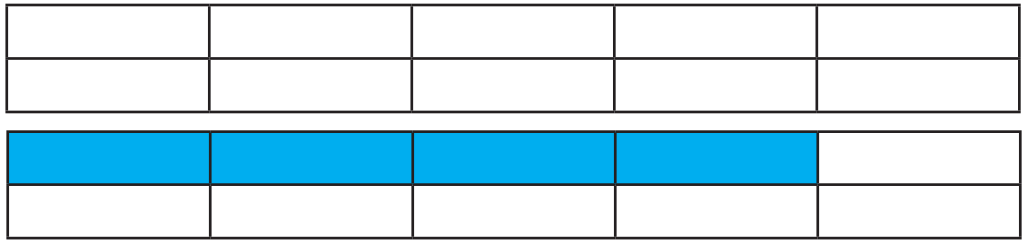
$\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$

$\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$

Recognise, Name and Write Fractions

Recognise that tenths arise from dividing an object into ten equal parts.

Colour $\frac{4}{10}$

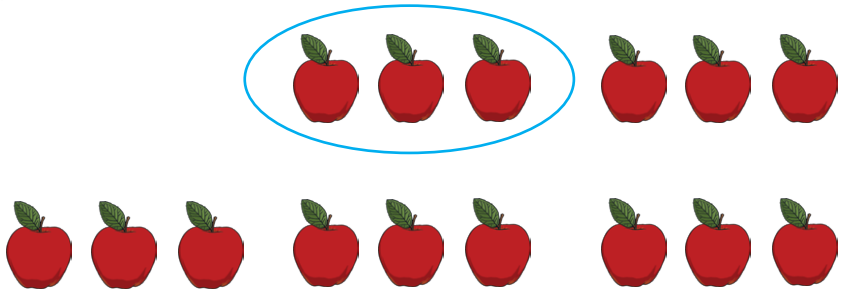


Recognise, Name and Write Fractions

Recognise, find and write fractions of a discrete set of objects.

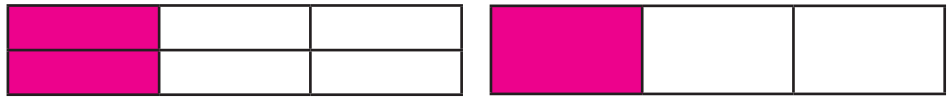
Unit fractions:

Find $\frac{1}{5}$ of these objects.



Equivalence

Recognise and show, using diagrams, equivalent fractions with small denominators.



Which equivalent fractions do these represent?

$\frac{2}{6} = \frac{1}{3}$

Solve Problems

Solve problems that include some of the other objectives.

Which is greater?

$\frac{1}{4}$ of 20p or $\frac{1}{3}$ of 30p

$\frac{1}{4}$ of 20p (5p) < $\frac{1}{3}$ of 30p (10p)

Calculate

Add or subtract the following fractions. Colour the bars to work out your answer.

$\frac{5}{7} + \frac{1}{7} = \mathbf{\frac{6}{7}}$

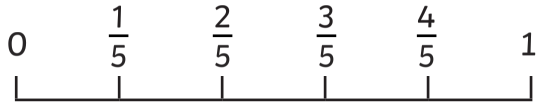
$\frac{4}{5} - \frac{1}{5} = \mathbf{\frac{3}{5}}$

Compare and Order

Compare and order fractions with the same denominators.

Add > or < to make the statement true.

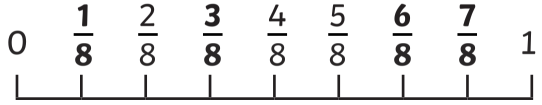
$\frac{4}{5} > \frac{2}{5}$



Compare & Order

Order these fractions from smallest to greatest.

$\frac{1}{8}$ $\frac{3}{8}$ $\frac{6}{8}$ $\frac{7}{8}$



Recognise, Name and Write Fractions

Count up and down in tenths.

"One tenths, two tenths, three tenths..."

$\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$

$\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$

Recognise, Name and Write Fractions

Recognise that tenths arise from dividing an object into ten equal parts.

Colour $\frac{7}{10}$

Recognise, Name and Write Fractions

Recognise, find and write fractions of a discrete set of objects.

Unit fractions:

Find $\frac{1}{5}$ of these objects.

Non-unit fractions with small denominators:

Find $\frac{2}{3}$ of these objects.

Equivalence

Recognise and show, using diagrams, equivalent fractions with small denominators.

Which equivalent fractions do these represent?

Solve Problems

Solve problems that include some of the other objectives.

Which is greater?

$\frac{3}{4}$ of 24p or $\frac{1}{3}$ of 48p

Calculate

Add or subtract the following fractions.
Colour the bars to work out your answer.

$\frac{5}{7} + \frac{1}{7} =$

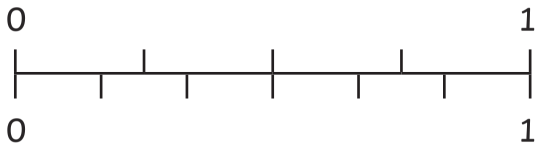
$\frac{4}{5} - \frac{1}{5} =$

Compare and Order

Compare and order unit fractions and fractions with the same denominators.

Which fraction is bigger? Add > or < to make the statement true.

$\frac{1}{4}$ $\frac{1}{6}$



Compare & Order

Order these fractions smallest to largest.

$\frac{7}{8}$ $\frac{3}{8}$ $\frac{1}{8}$ $\frac{6}{8}$

Recognise, Name and Write Fractions

Count up and down in tenths.

"One tenths, two tenths, three tenths..."

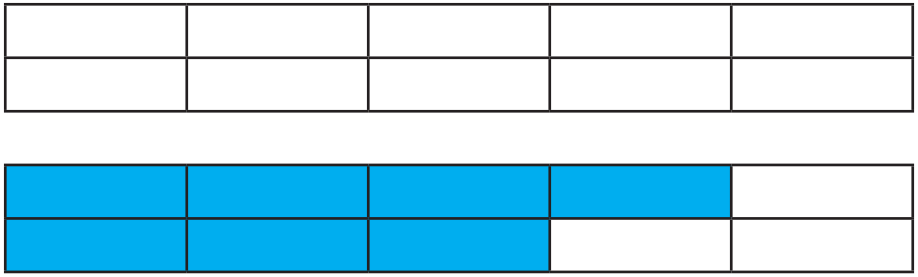
$\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$

$\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$

Recognise, Name and Write Fractions

Recognise that tenths arise from dividing an object into ten equal parts.

Colour $\frac{7}{10}$



Recognise, Name and Write Fractions

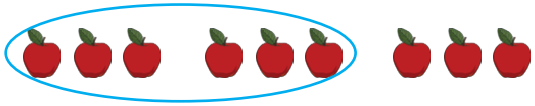
Recognise, find and write fractions of a discrete set of objects.

Unit fractions:

Find $\frac{1}{5}$ of these objects.

Non-unit fractions with small denominators:

Find $\frac{2}{3}$ of these objects.



$\frac{4}{6} = \frac{2}{3}$

Solve Problems

Solve problems that include some of the other objectives.

Which is greater?

$\frac{3}{4}$ of 24p or $\frac{1}{3}$ of 48p

$\frac{3}{4}$ of 24p (18p) > $\frac{1}{3}$ of 48p (16p)

Calculate

Add or subtract the following fractions.
Colour the bars to work out your answer.

$\frac{5}{7} + \frac{1}{7} = \mathbf{\frac{6}{7}}$

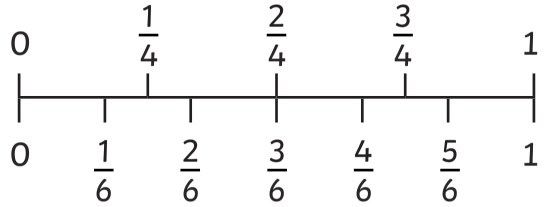
$\frac{4}{5} - \frac{1}{5} = \mathbf{\frac{3}{5}}$

Compare and Order

Compare and order unit fractions and fractions with the same denominators.

Which fraction is bigger? Add > or < to make the statement true.

$\frac{1}{4} > \frac{1}{6}$



Compare & Order

Order these fractions smallest to largest.

$\frac{7}{8}$ $\frac{3}{8}$ $\frac{1}{8}$ $\frac{6}{8}$

$\frac{1}{8}$ $\frac{3}{8}$ $\frac{6}{8}$ $\frac{7}{8}$

Recognise, Name and Write Fractions

Count up and down in tenths.

"One tenths, two tenths, three tenths..."

$\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$

$\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$ $\frac{\quad}{10}$

Recognise, Name and Write Fractions

Recognise that tenths arise from dividing an object into ten equal parts...

Explain how you could show $\frac{3}{10}$ in this rectangle:

...and when dividing single digit numbers by 10.

What is one tenth of seven?

Recognise, Name and Write Fractions

Recognise, find and write fractions of a discrete set of objects.

Unit fractions:

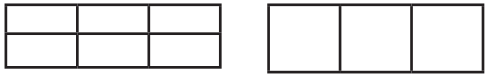
Which multiplication fact would you use to find $\frac{1}{8}$ of 48?

Non-unit fractions with small denominators:

Find $\frac{2}{5}$ of £1, and give a real life application.

Equivalence

Recognise and show, using diagrams, equivalent fractions with small denominators.



Which equivalences can be shown with this diagram?

Solve Problems

Solve problems that include some of the other objectives.

Which is greater?

$\frac{3}{4}$ of 72p or $\frac{2}{3}$ of 75p

Explain why $\frac{3}{8} + \frac{1}{8} = \frac{1}{2}$

Calculate

Add and subtract fractions with the same denominator.

What is the difference between

$\frac{5}{11} + \frac{4}{11}$ and $\frac{6}{11} + \frac{1}{11}$?

A box contains 24 apples. Three of the apples are rotten and four apples have damaged skin. The rest are in good condition. What fraction of the box of apples are in good condition?

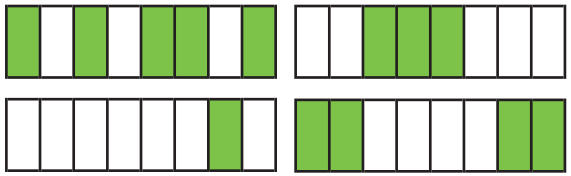
Compare and Order

Compare and order unit fractions and fractions with the same denominators.

Explain why $\frac{1}{4} > \frac{1}{6}$

Compare & Order

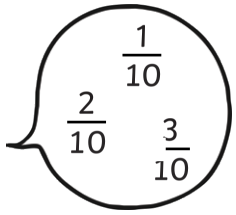
Express the following partially shaded rectangles as fractions and order from smallest to largest:



Recognise, Name and Write Fractions

Count up and down in tenths.

"One tenths, two tenths, three tenths..."



$\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$

Recognise, Name and Write Fractions

Recognise that tenths arise from dividing an object into ten equal parts...

Explain how you could show $\frac{3}{10}$ in this rectangle:

...and when dividing single digit numbers by 10.

What is one tenth of seven? **$\frac{7}{10}$**

Recognise, Name and Write Fractions

Recognise, find and write fractions of a discrete set of objects.

Unit fractions:

Which multiplication fact would you use to find $\frac{1}{8}$ of 48?

8 x 6 / 6 x 8

Non-unit fractions with small denominators:

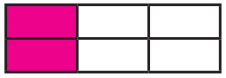
Find $\frac{2}{5}$ of £1, and give a real life application.

40p, which is two 20p's, as 20p is $\frac{1}{5}$ of £1

Equivalence

Recognise and show, using diagrams, equivalent fractions with small denominators.

Which equivalences can be shown with this diagram?

 **$\frac{2}{6}$**

 **$\frac{1}{3}$**

Solve Problems

Solve problems that include some of the other objectives.

Which is greater?

$\frac{3}{4}$ **of 72p** or $\frac{2}{3}$ of 75p

Explain why $\frac{3}{8} + \frac{1}{8} = \frac{1}{2}$

Explanations should refer to $\frac{4}{8}$ being equivalent to $\frac{1}{2}$. Diagrams could be used.

Calculate

Add and subtract fractions with the same denominator.

What is the difference between

$\frac{5}{11} + \frac{4}{11}$ and $\frac{6}{11} + \frac{1}{11}$ $\frac{2}{11}$

A box contains 24 apples. Three of the apples are rotten and four apples have damaged skin. The rest are in good condition. What fraction of the box of apples are in good condition?

$\frac{17}{24}$

Compare and Order

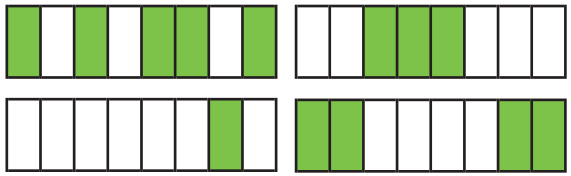
Compare and order unit fractions and fractions with the same denominators.

Explain why:

Answers should refer to fact that the smaller denominator, the larger the fraction. Diagrams could be used to illustrate.

Compare & Order

Express the following partially shaded rectangles as fractions and order from smallest to largest:



$\frac{1}{8}$ $\frac{3}{8}$ $\frac{4}{8}$ $\frac{5}{8}$