

Chilli Challenge

Fractions



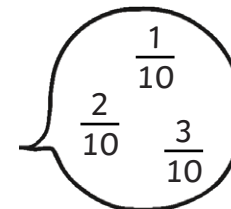
Fractions

Nice and Spicy! 

Recognise, Name and Write Fractions

Count up and down in tenths

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



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

twinkl.com

Fractions

Nice and Spicy! 

Recognise, Name and Write Fractions

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

Colour $\frac{4}{10}$

twinkl.com

Fractions

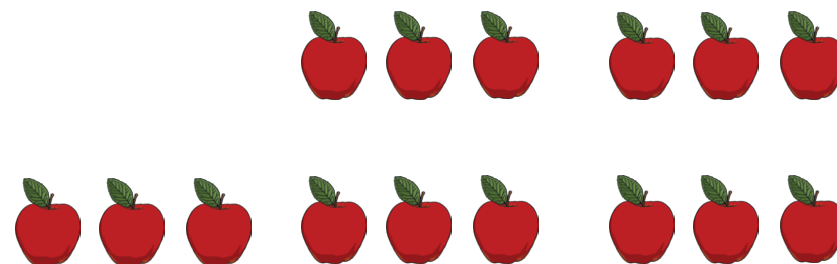
Nice and Spicy! 

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.



twinkl.com

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

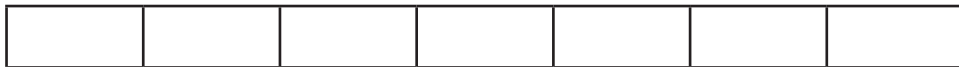
Which is greater?

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

Calculate

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

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



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

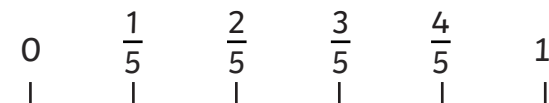


Compare and Order

Compare and order fractions with the same denominators

Add > or < to make the statements true

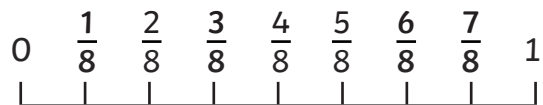
$$\frac{4}{5} \quad \frac{2}{5}$$



Compare & Order

Order these fractions from smallest to greatest.

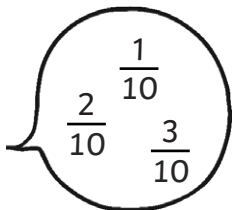
$$\frac{6}{8} \quad \frac{3}{8} \quad \frac{7}{8} \quad \frac{1}{8}$$



Recognise, Name and Write Fractions

Count up and down in tenths

“One tenths,
two tenths,
three tenths...”

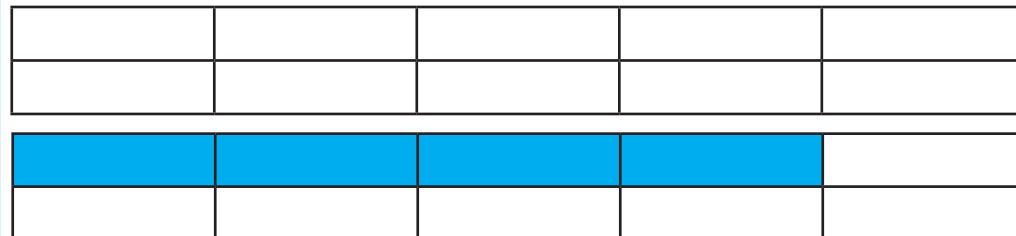


- $\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$

Recognise, Name and Write Fractions

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

Colour $\frac{4}{10}$

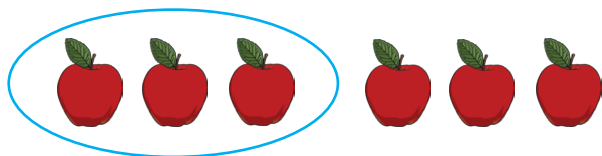


Recognise, Name and Write Fractions

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 the following fractions.
Colour the bars to work out your answer.

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



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

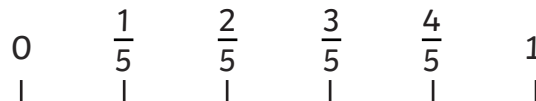


Compare and Order

Compare and order fractions with the same denominators

Add > or < to make the statement true

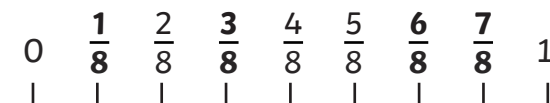
$$\frac{4}{5} > \frac{2}{5}$$



Compare & Order

Order these fractions from smallest to greatest.

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

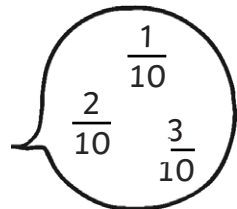




Recognise, Name and Write Fractions

Count up and down in tenths

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



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



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 the following fractions.
Colour the bars to work out your answer.

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

--	--	--	--	--	--	--

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

--	--	--	--	--

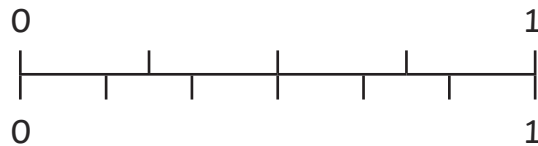


Compare and Order

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

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

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



Compare & Order

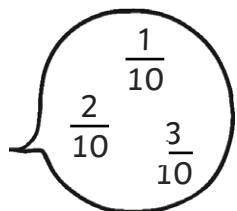
Order these fractions smallest to largest.

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

Recognise, Name and Write Fractions

Count up and down in tenths

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

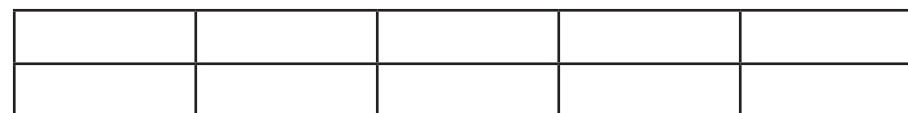


- $\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$

Recognise, Name and Write Fractions

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

Colour $\frac{7}{10}$

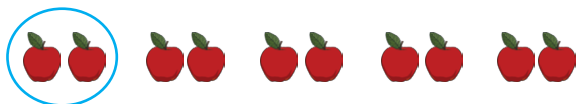


Recognise, Name and Write Fractions

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

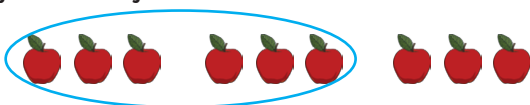
Unit fractions:

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 the following fractions.
Colour the bars to work out your answer.

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



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

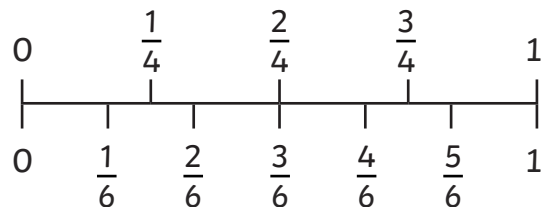


Compare and Order

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

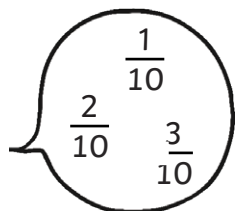
Order these fractions smallest to largest.

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

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

Recognise, Name and Write Fractions

Count up and down in tenths

"One tenths,
two tenths,
three tenths..."
 $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$

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

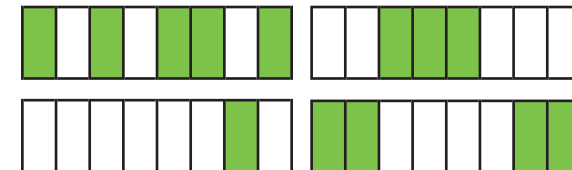
Compare and order unit fractions and fractions with the same denominators

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



Compare & Order

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

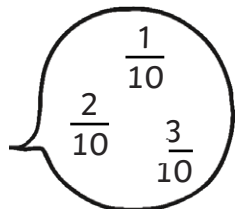




Recognise, Name and Write Fractions

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?

$8 \times 6 / 6 \times 8$

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

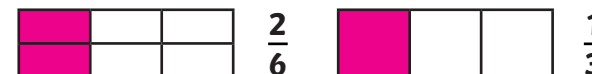


Equivalence

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



Which equivalences can be shown with this diagram?



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

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

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

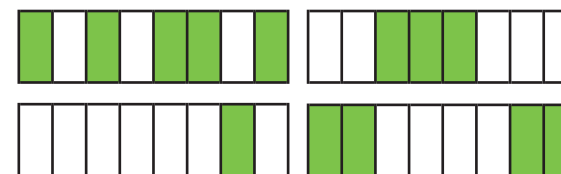
Compare and order unit fractions and fractions with the same denominators

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:



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