

Year 3 – Maths – Fractions

Key vocabulary

numerator
denominator
unit fraction
non-unit fraction
equivalent
halves
thirds
quarters
fifths
sixths
eighths
tenths
decimal tenths

Links to other learning

Year 2 – Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity; Write simple fractions for example, $\frac{1}{2}$ of $6 = 3$ and recognise the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$.

Year 4 - Recognise and show, using diagrams, families of common equivalent fractions; Count up and down in hundredths; Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten; Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number; Add and subtract fractions with the same denominator; Recognise and write decimal equivalents of any number of tenths or hundredths; Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$; Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths; Round decimals with one decimal place to the nearest whole number; Compare numbers with the same number of decimal places up to two decimal places.

Key questions

Find an equivalent fraction for ____.
Explain how you know.

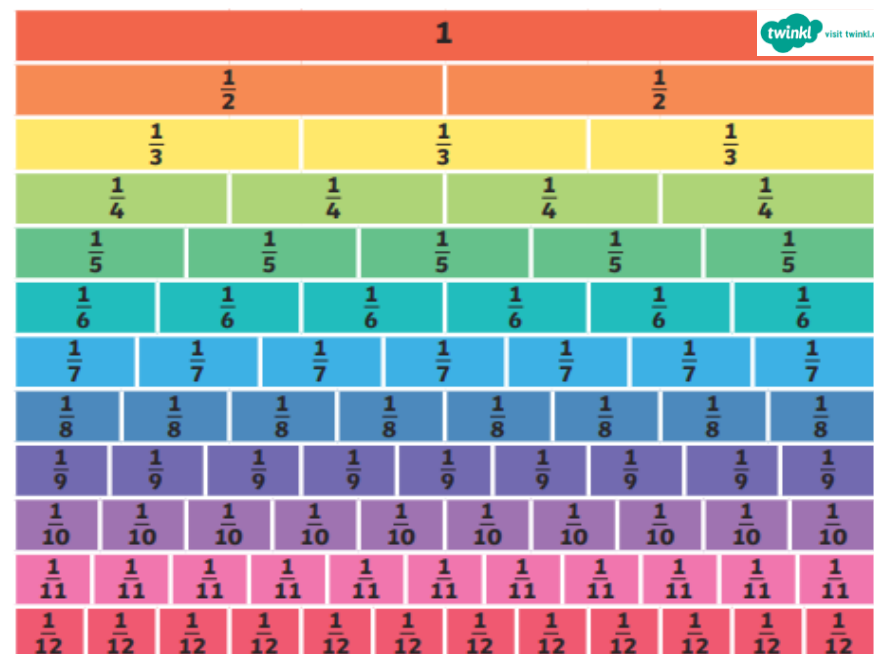
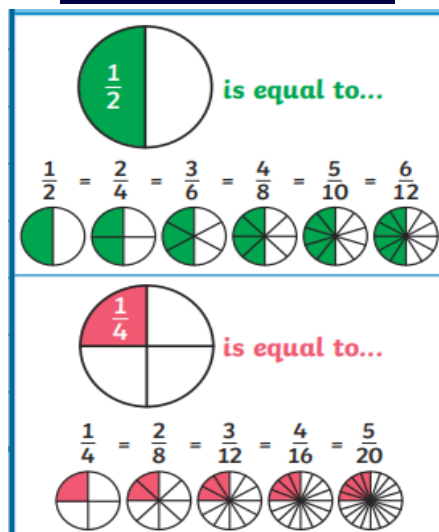
What is $\frac{2}{5}$ and $\frac{1}{5}$?

List 3 equivalent fractions for $\frac{1}{2}$.

Count forwards in tenths, starting at ____.

Compare the following fractions...

Equivalent fractions



Year 3 – Maths – Fractions

Add and subtract fractions

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$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$

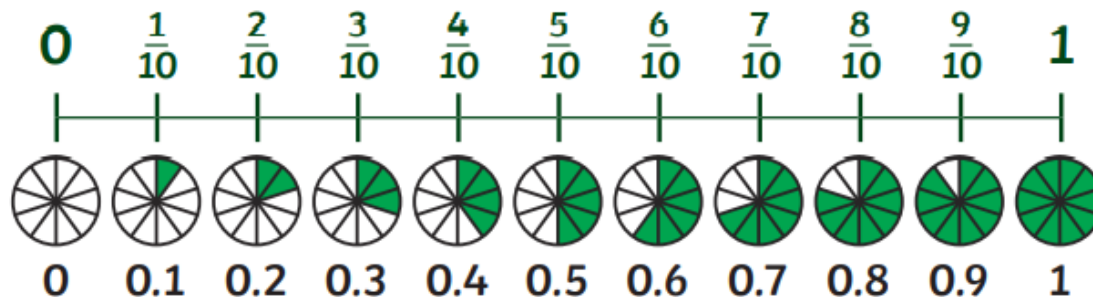


$$\frac{3}{7} + \frac{2}{7} = \frac{5}{7}$$



Tenths

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Recognising fractions

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$$\frac{3}{8}$$

Numerator

How many equal parts of the whole are needed?

Denominator

How many equal parts are in the whole?

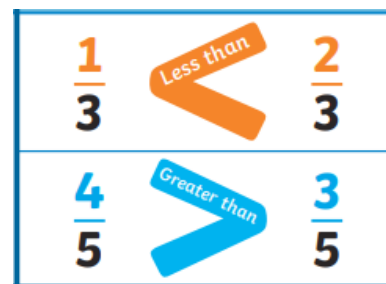
Fractions of amounts

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$$\frac{1}{4} \text{ of } 24 = 6$$



Comparing fractions



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