

Mathematics

Understanding fractions and converting

Mr Kelsall

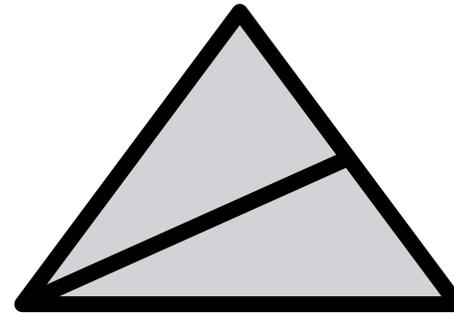
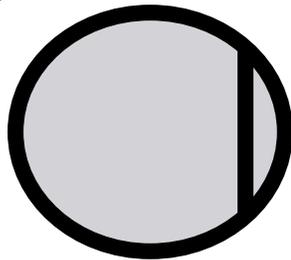
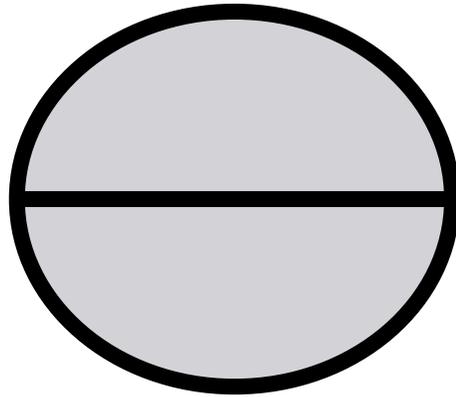
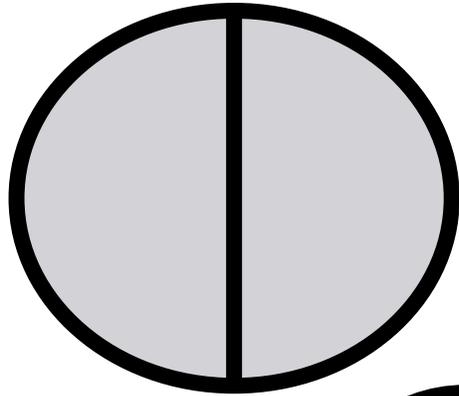


Revision: fractions

A fraction is a part of a whole

Each shape has been split into 2 parts...

Which fraction is a half? Which fraction is not?



Revision: fractions

Can you convert these fractions? Can you draw them?

One and one half

Three and two fifths

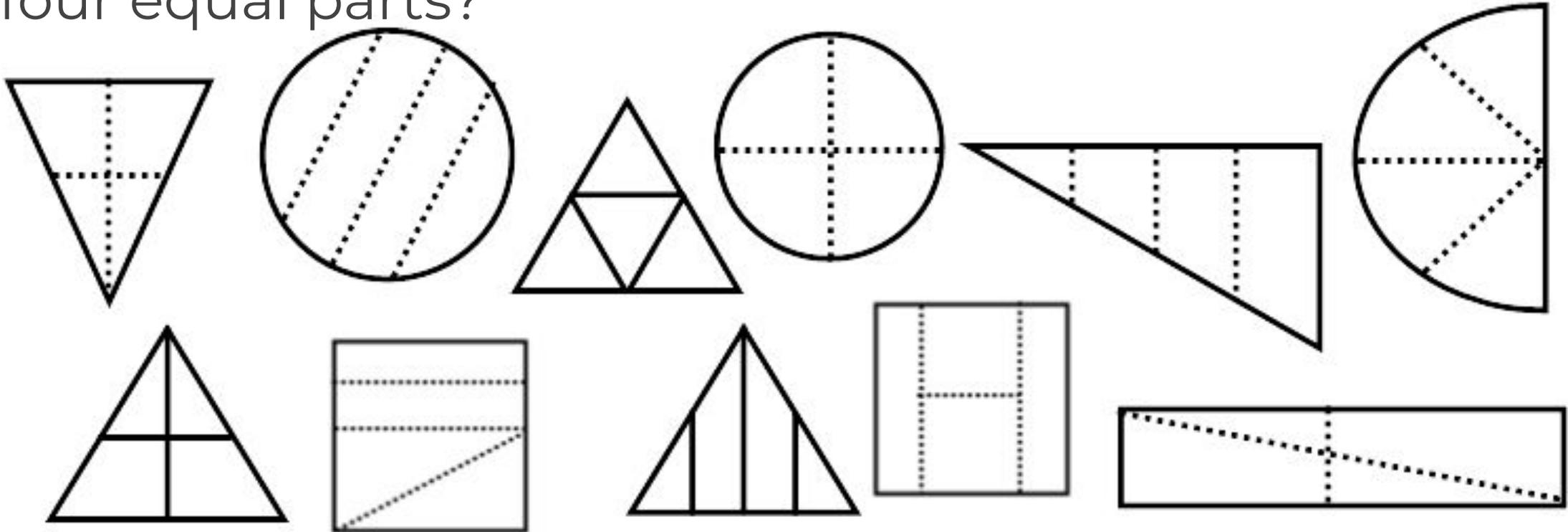
Eight thirds

Seven halves



Develop learning: Representing fractions

Which of these shapes has been divided into four equal parts?



Develop learning: Converting fractions

Improper fraction to mixed number fractions

Mixed number fractions to improper fractions



Develop learning: converting fractions

Match the mixed numbers, improper fractions and equivalent fractions.

$1\frac{1}{4}$

$\frac{22}{16}$

$2\frac{17}{10}$

$1\frac{11}{8}$

$\frac{10}{8}$

$3\frac{7}{10}$

$\frac{5}{4}$

$\frac{11}{8}$

$2\frac{3}{8}$

$1\frac{3}{8}$

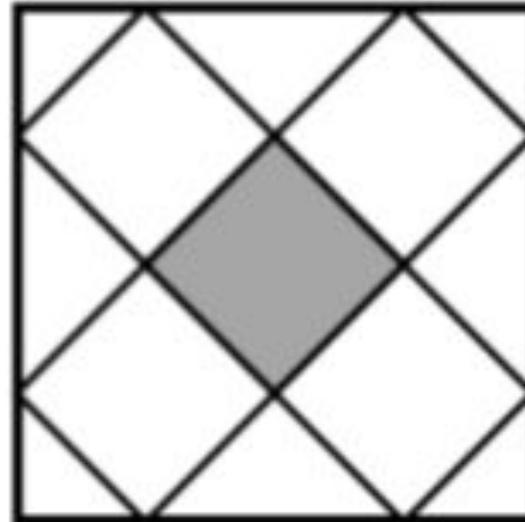
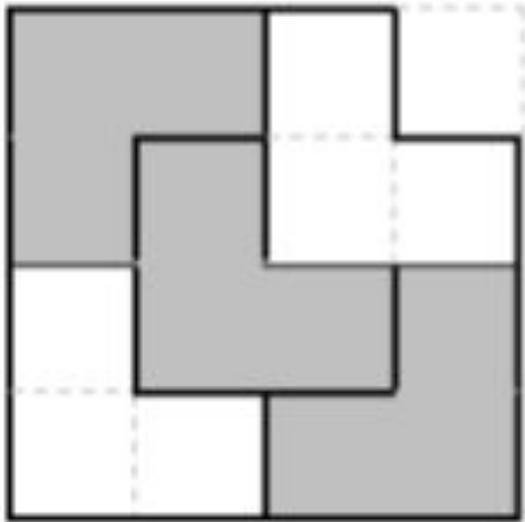
$\frac{37}{10}$

$\frac{19}{8}$



Independent task 1: representing fractions

What fraction is shaded? Explain your reasoning



Independent task 2: converting fractions

Can you draw these conversions as mixed number fractions and improper fractions

- Three halves
- Five thirds
- One and three quarters
- One and two fifths

Can you find a quick way of converting between these?

Can you explain this method? Try it with bigger fractions

- Fifteen quarters
- Twenty sixths
- Three and four fifths
- Eight and seven thirds

What's wrong with this fraction: One and four thirds?

