

Mathematics

# Understanding fractions and converting

Mr Kelsall

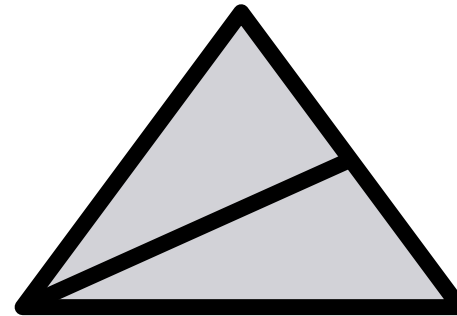
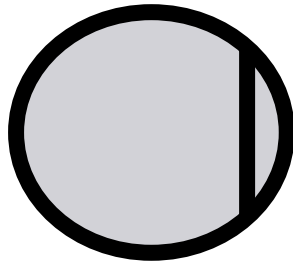
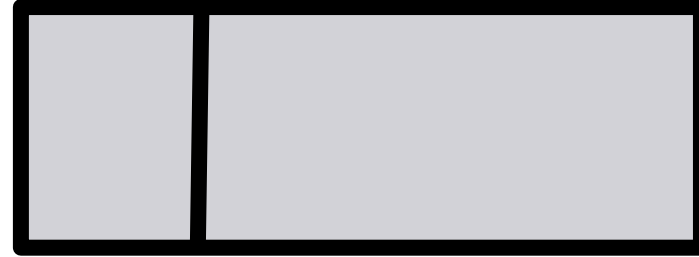
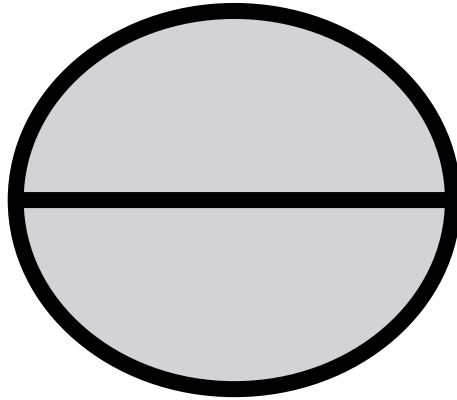
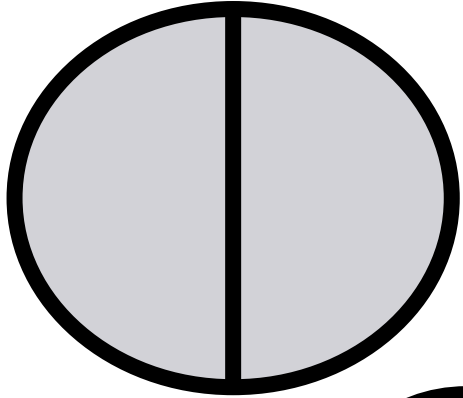


# Revision: fractions

**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

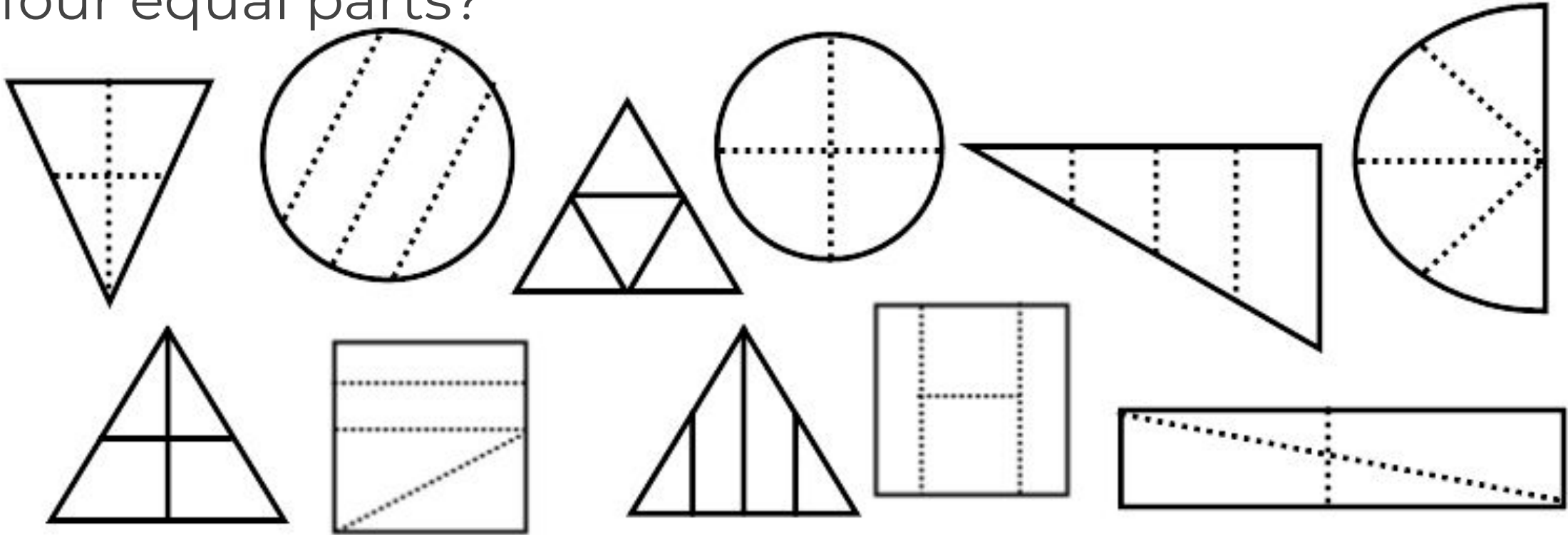
Seven halves



# 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.

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

$$\frac{22}{16}$$

$$\frac{10}{8}$$

$$2\frac{17}{10}$$

$$1\frac{11}{8}$$

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

$$\frac{11}{8}$$

$$3\frac{7}{10}$$

$$2\frac{3}{8}$$

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

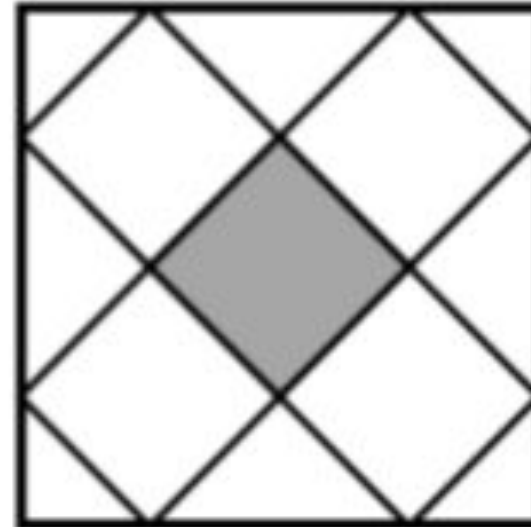
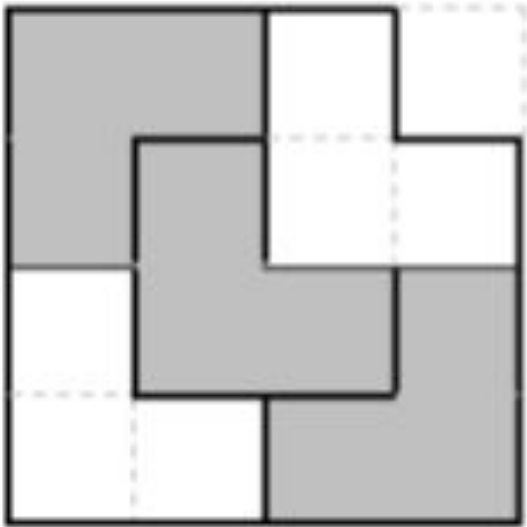
$$\frac{37}{10}$$

$$\frac{19}{8}$$



# 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?

