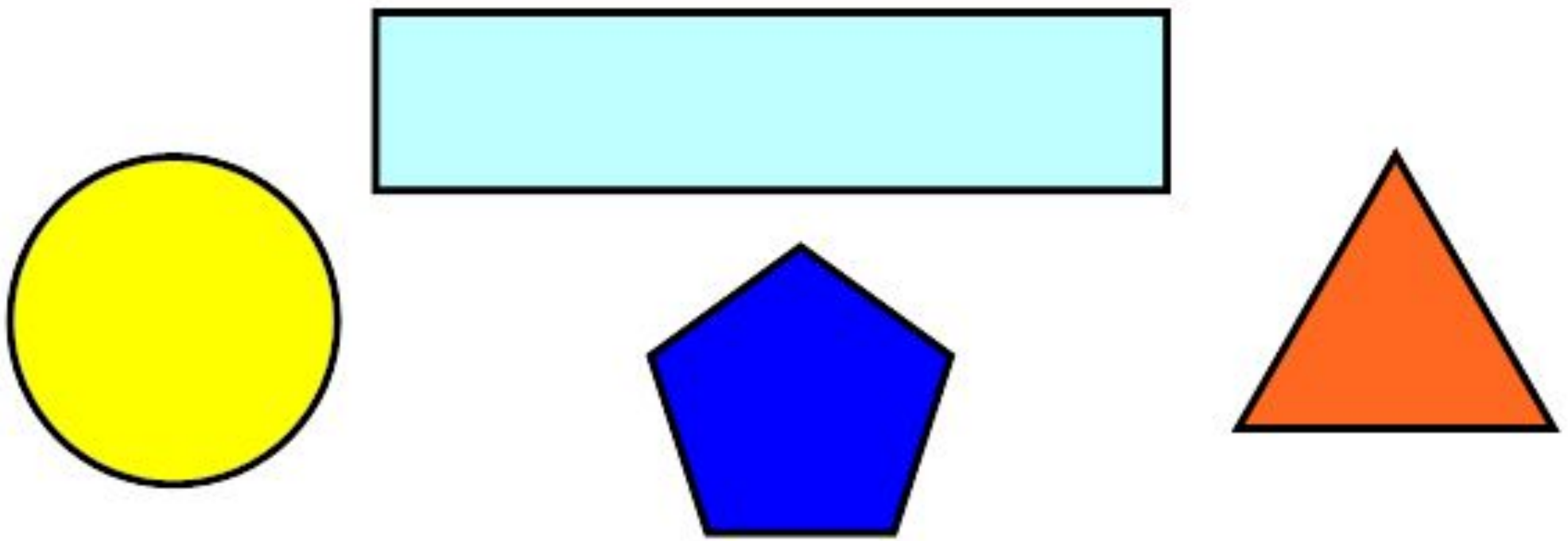
Add and Subtract Fractions with a Common Denominator Worksheet

Mathematics

Mr Kelsall

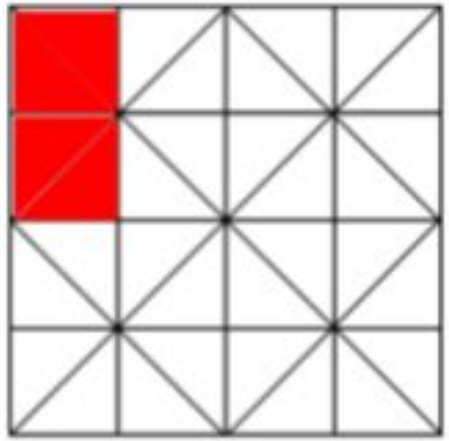
Revision: fractions

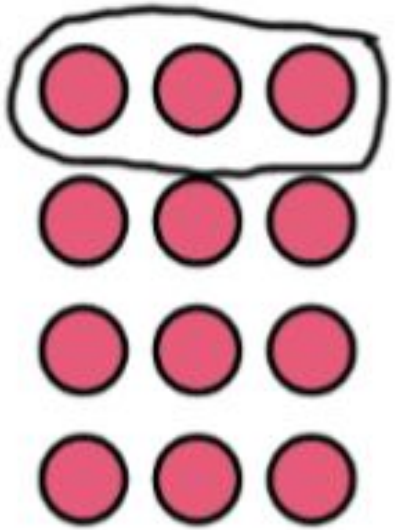
How many fractions can you represent by folding your piece of paper?



Revision: equivalent fractions

Match the fractions to the pictures?
What could be the missing fraction(s)?

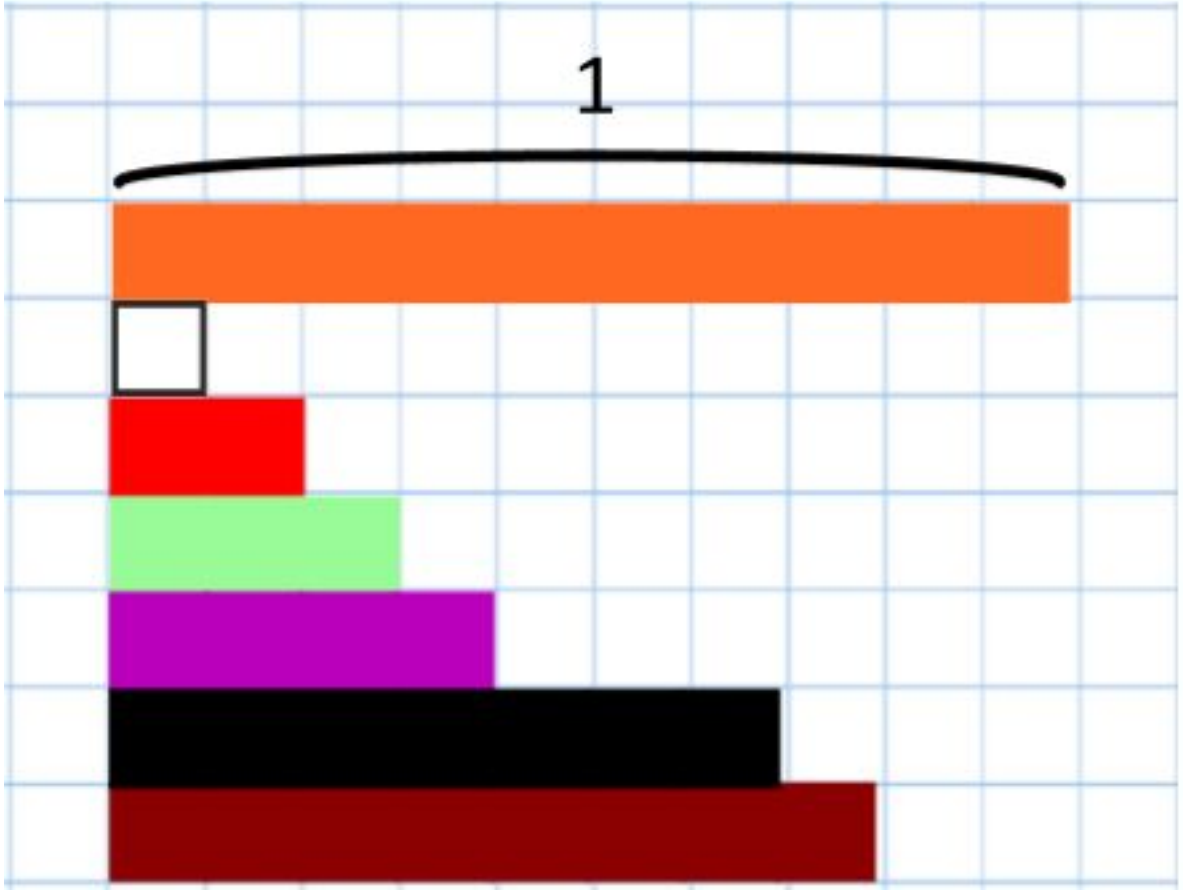




$\frac{12}{20}$

$\frac{1}{8}$ $\frac{1}{4}$ $\frac{4}{32}$ $\frac{3}{12}$

New learning: common multiples



Identify the length of these rods if the orange rod has length one.

New learning: common multiples

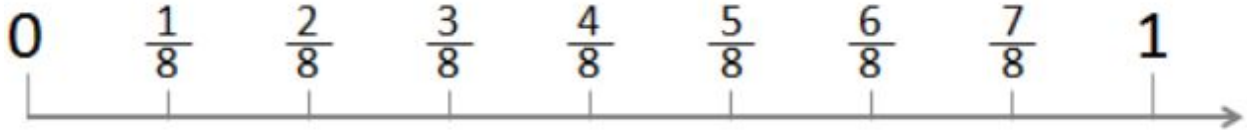
$$\frac{2}{5} + \frac{3}{10} = \frac{5}{15}$$

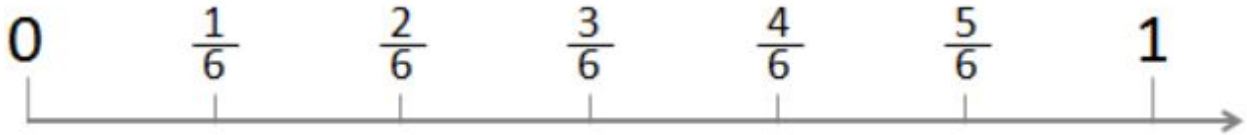
$$\frac{2}{5} + \frac{3}{10} = \frac{10}{10}$$

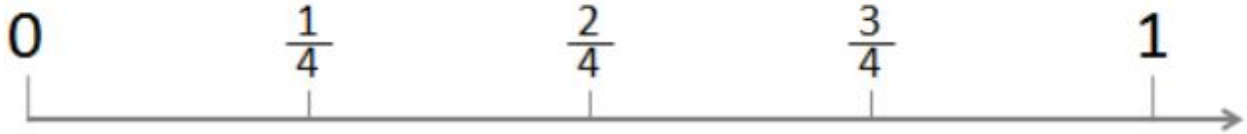
$$\frac{2}{5} + \frac{3}{10} = \frac{5}{5}$$

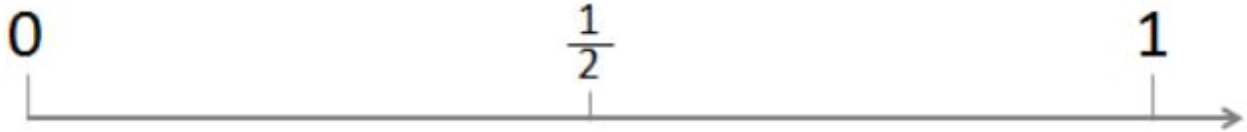
What does this show?
How would you represent this on a number line?
Which is the correct answer?
Why?

New learning: common multiples









Use the number line to solve:

⅜ + ¼

⅙ + ⅔

½ + ⅝

Develop learning: common multiples

Where possible: 1) sketch a bar model 2) draw a number line, and 3) write the fact families for these questions:

- One quarter add one half

- Two quarters add one eighth

- Three sixth add one third

Develop learning: common multiples

Where possible: 1) sketch a bar model 2) draw a number line, and 3) write the fact families for these questions:

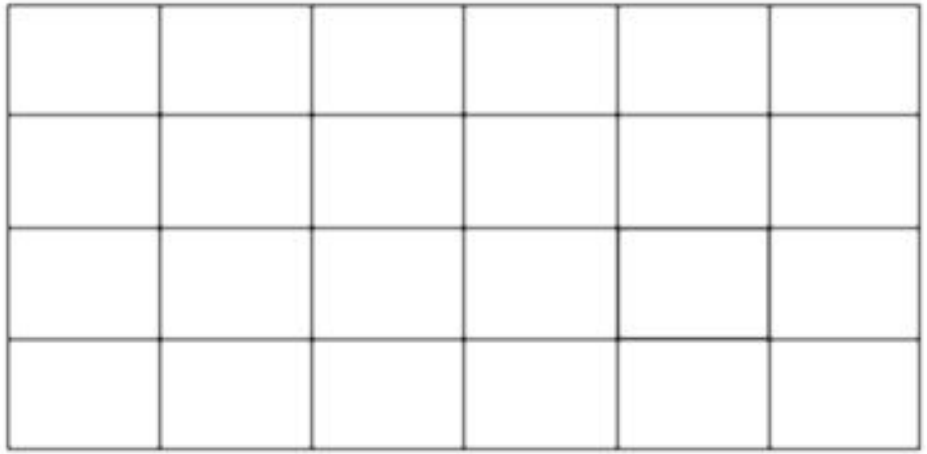
- Four fifths add two tenths

- Three quarters subtract one eighth

Is there a quick way (mental) to find equivalent fractions?

Independent task

Use the grid to describe the fraction of the flag that is each colour



☐ of the flag is green

☐ of the flag is blue

☐ of the flag is orange

Source of all images : Mr Kelsall or Oak National Academy