

Mathematics

Add and subtract fractions with the same denominator

Mr Southall

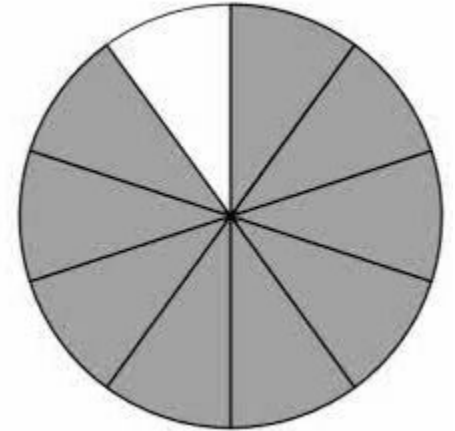


Revision: fractions

What fractions are shown here?

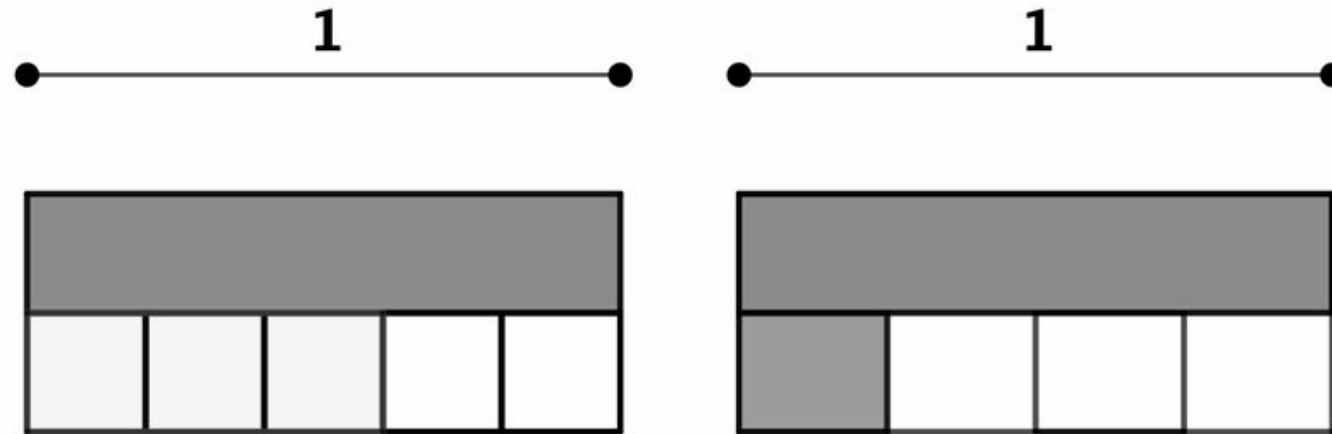
Which is the odd one out? Why?

Can you think of any other examples of fractions?



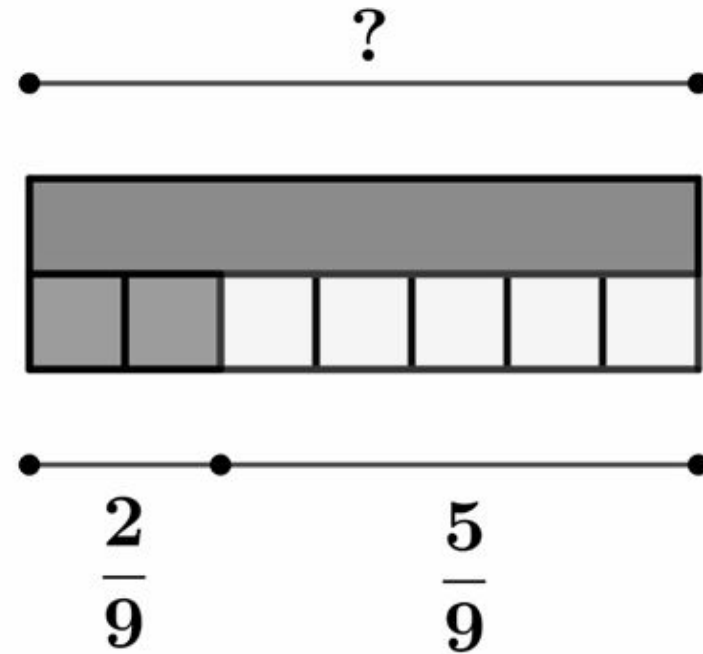
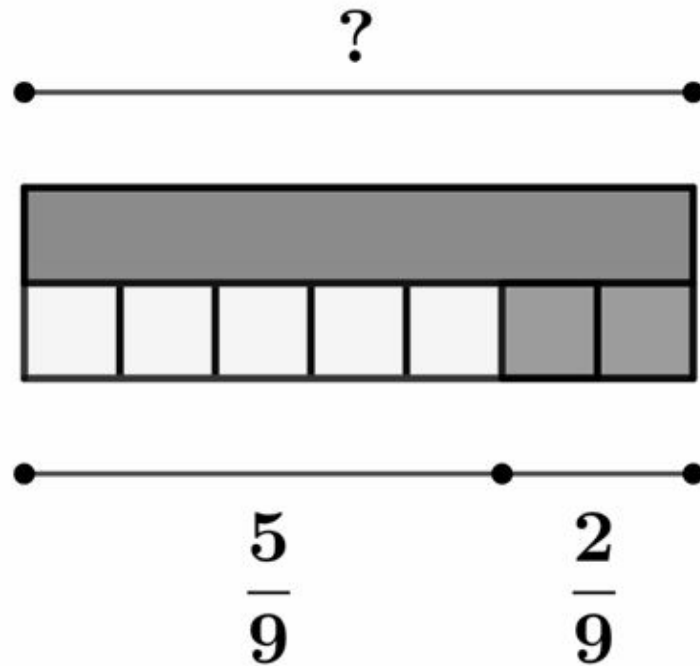
New learning: adding fractions

If the blue bar has length 1, what is the length of the yellow part? What is the length of the red part?



New learning: adding fractions

What addition calculations do these represent?

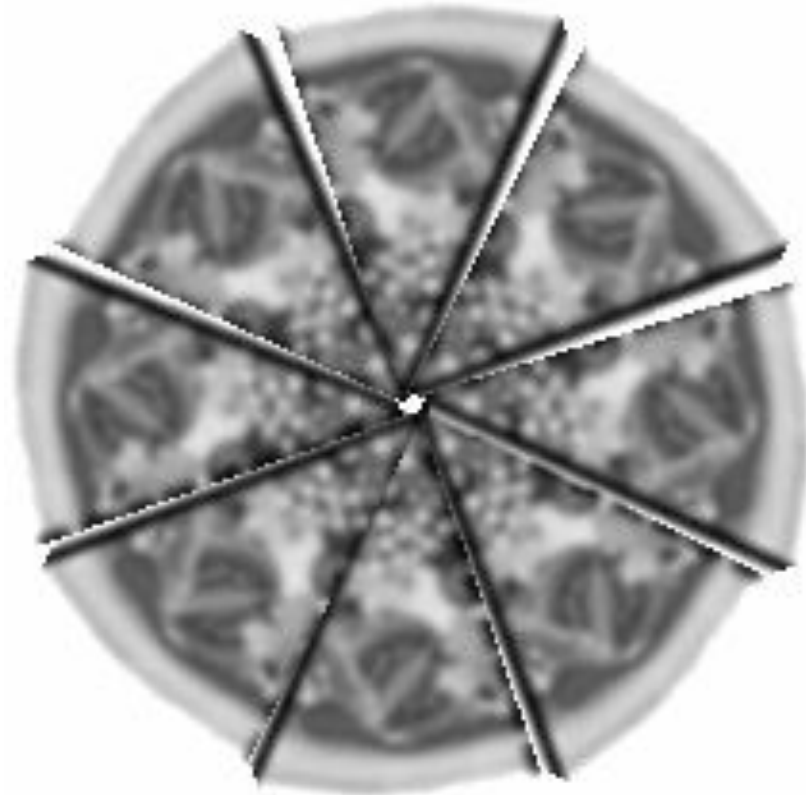


Develop learning:

A pizza has eight slices.
Bella eats three slices and
Lara eats two slices.

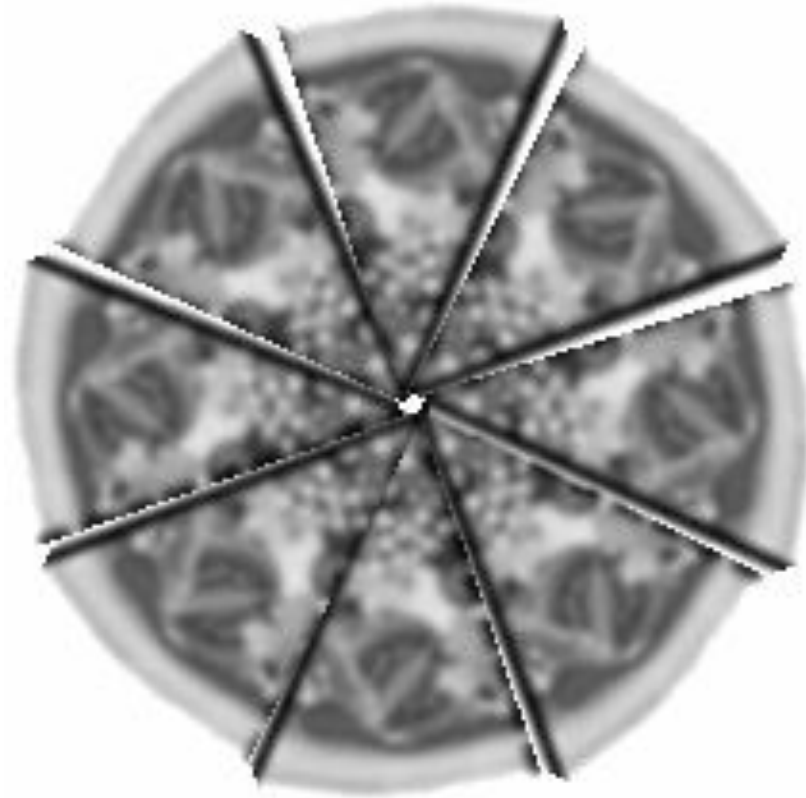
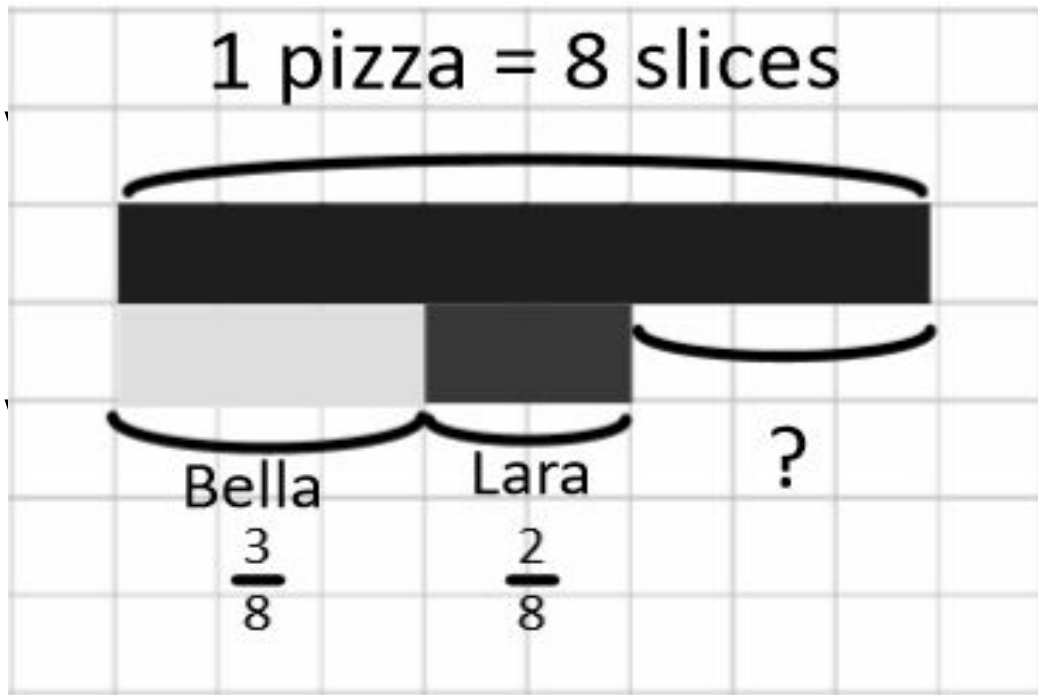
What fraction of the pizza
has been eaten?

What fraction is left?



Develop learning:

A pizza has eight slices.
Bella eats three slices and
Lara eats two slices.



Develop learning: crossing 1

Bella eats 5 slices, Lara eats 7 slices.

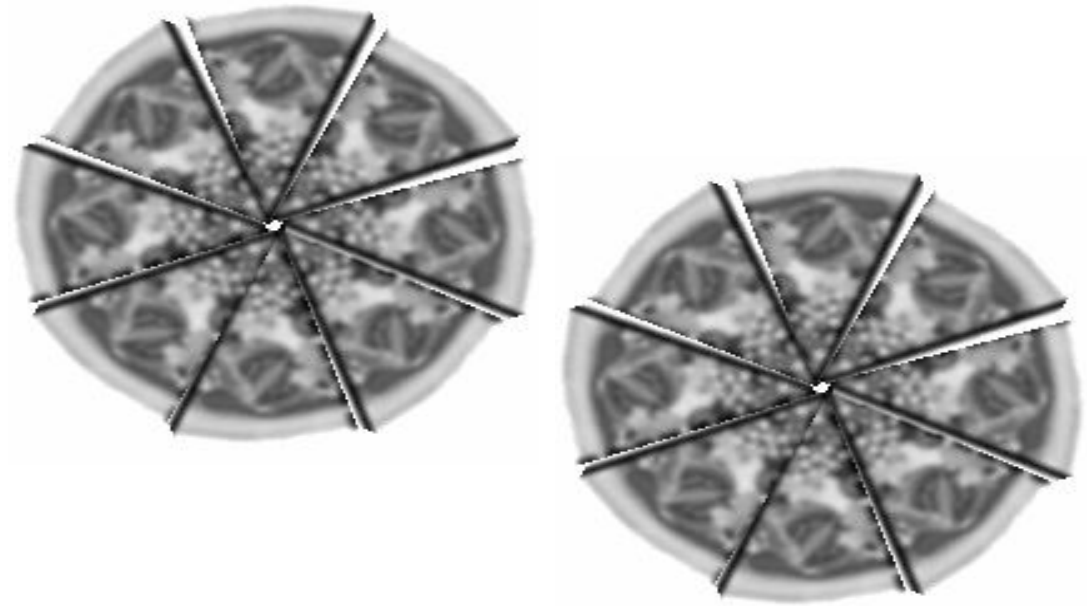
How much pizza have they eaten in total?

How much is left?

Number line

Bar model

Fraction



Develop learning: crossing 2

If I eat a third of a bag of chips what do I have left?

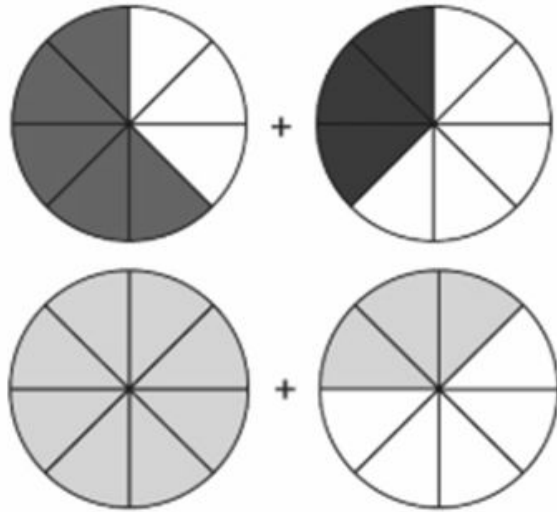
What is one quarter of a bag of sweets add three quarters of a bag of sweets?

What is three quarters of an hour add another three quarters of an hour?

What is six eighths of a pizza subtract four eighths of a pizza



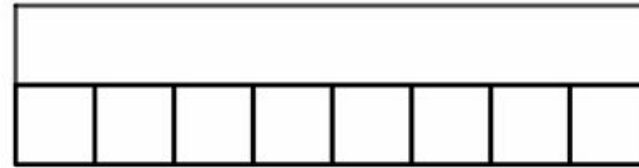
Develop learning: crossing 3



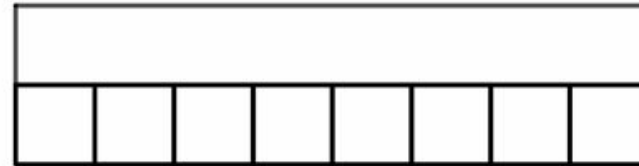
$$\frac{4}{5} - \frac{3}{5} =$$

$$2 \frac{1}{3} - \frac{2}{3} =$$

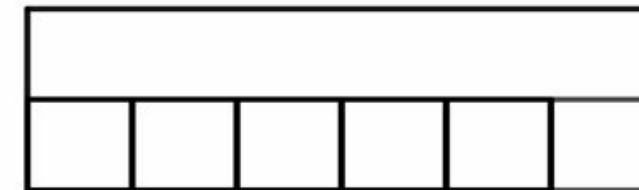
$$\frac{5}{8} + \frac{1}{8}$$



$$\frac{7}{8} - \frac{3}{8}$$



$$1 - \frac{5}{6}$$



Independent task:

What calculations can you show using these?

Can you find a calculation showing:

- a fraction above 1?
- add three fractions with an answer less than one?
- a fraction equivalent to a half?
- two fractions with a difference of three eighths?
- a calculation with an answer above two?

