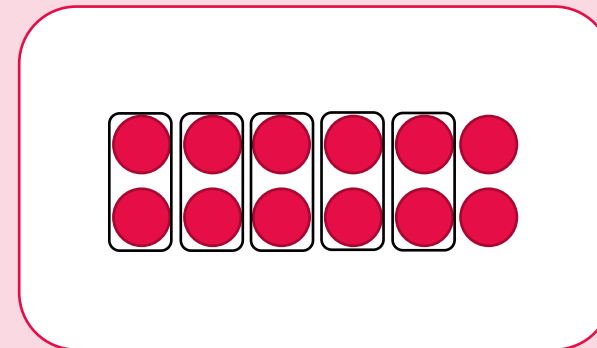
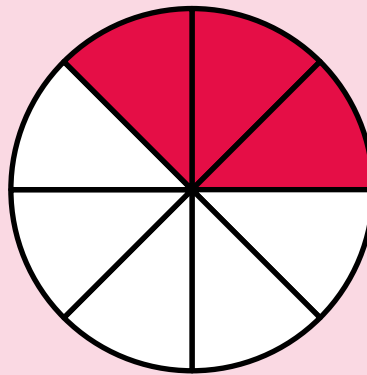
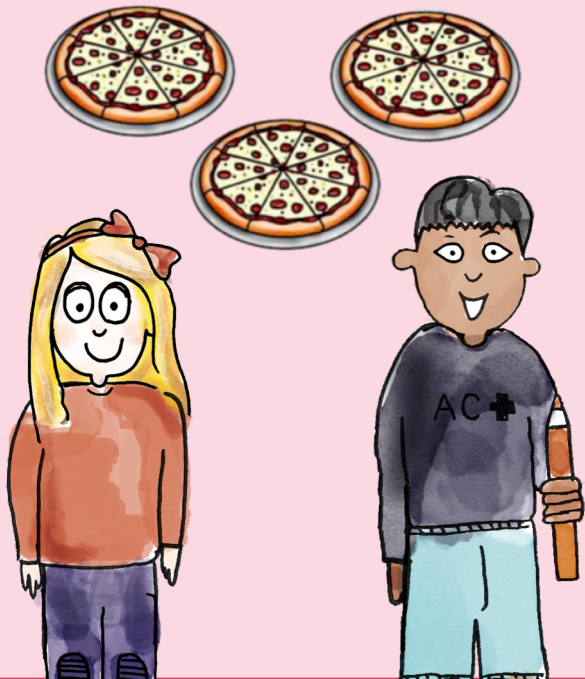
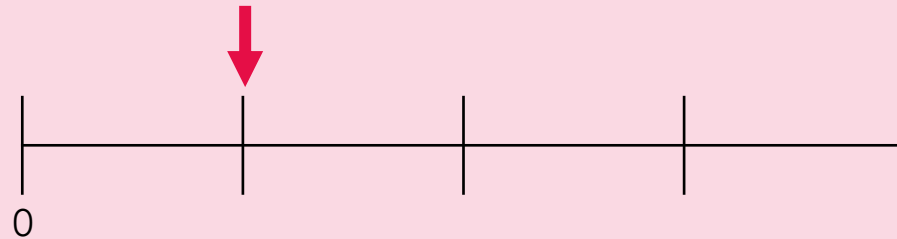
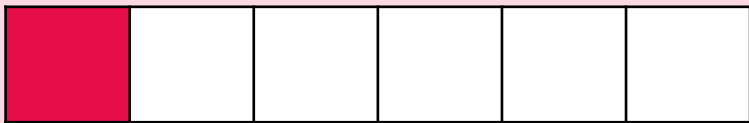
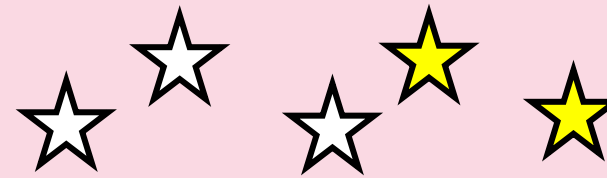


1	$8,094 - 100 = \underline{\hspace{2cm}}$	/1
2	$97 + 865 = \underline{\hspace{2cm}}$	/1
3	$63 \div \underline{\hspace{1cm}} = 9$	/1
4	$6 \times 74 = \underline{\hspace{2cm}}$	/1
5	$\frac{6}{9}$ of 144kg = $\underline{\hspace{2cm}}$ kg	/1

Identifying the fraction

- What fractions are represented below?
- Is there more than one answer?



Do Now



Key learning: To calculate fractions of quantities



fraction



part

whole



quantity

multiplication

division

numerator



denominator



vinculum

product

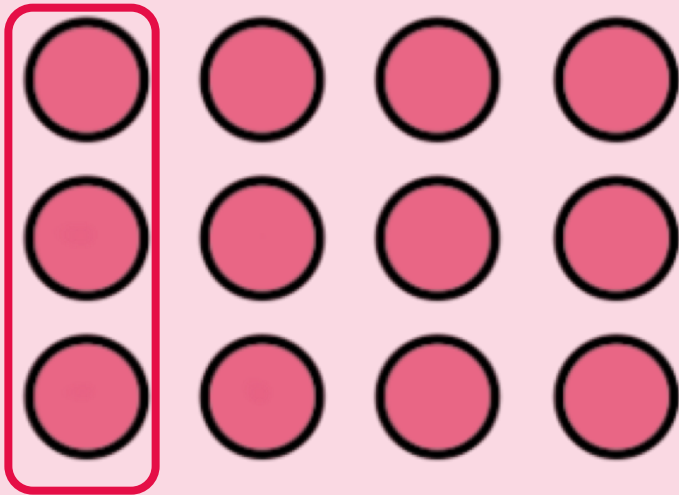


Star Words

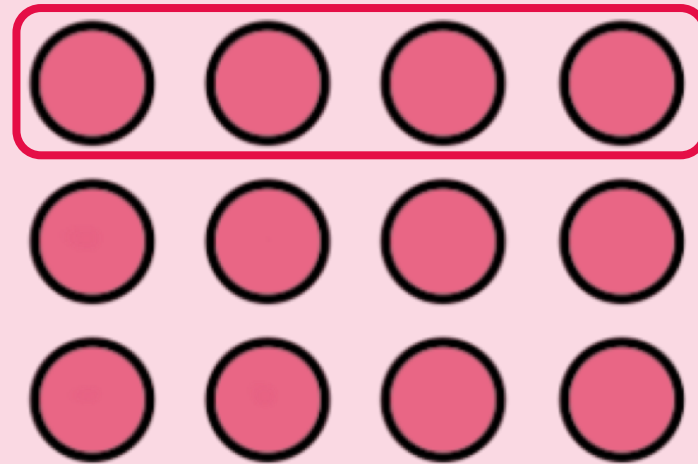


Unit fractions of amounts

- What can you say about these representations?
- What other fractions of this amount can you find?



$$\boxed{\text{—}} \text{ of } \boxed{12} = \boxed{3}$$

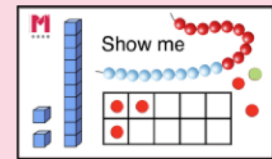
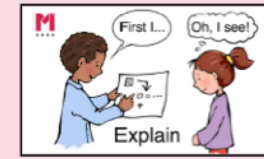
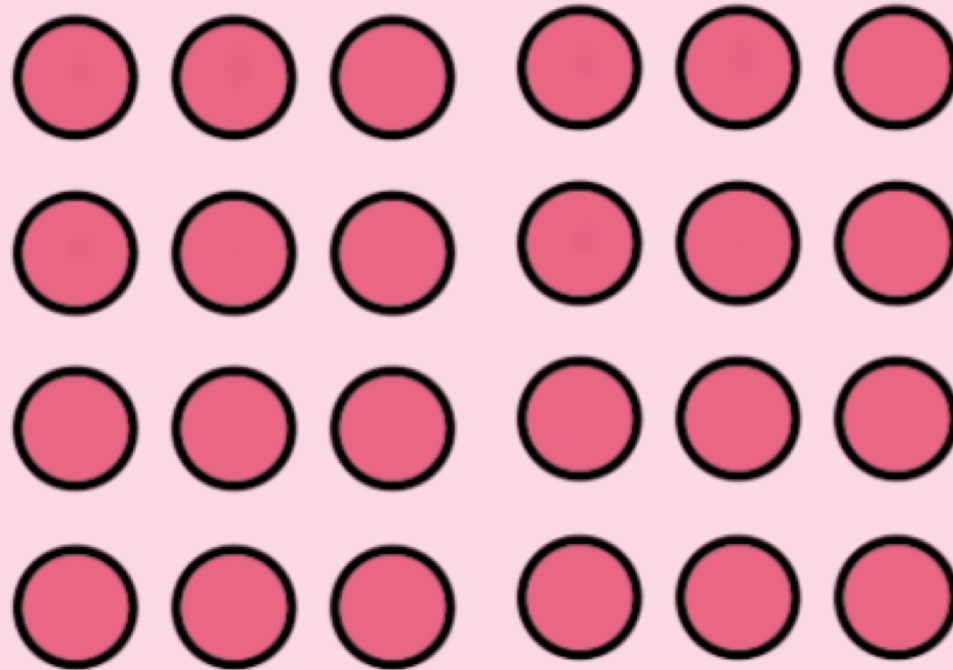


$$\boxed{\text{—}} \text{ of } \boxed{12} = \boxed{4}$$



Fractions of 24

Which fractions of 24 can you find and represent?

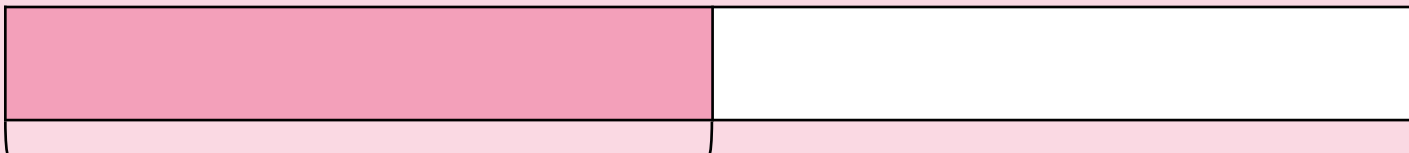
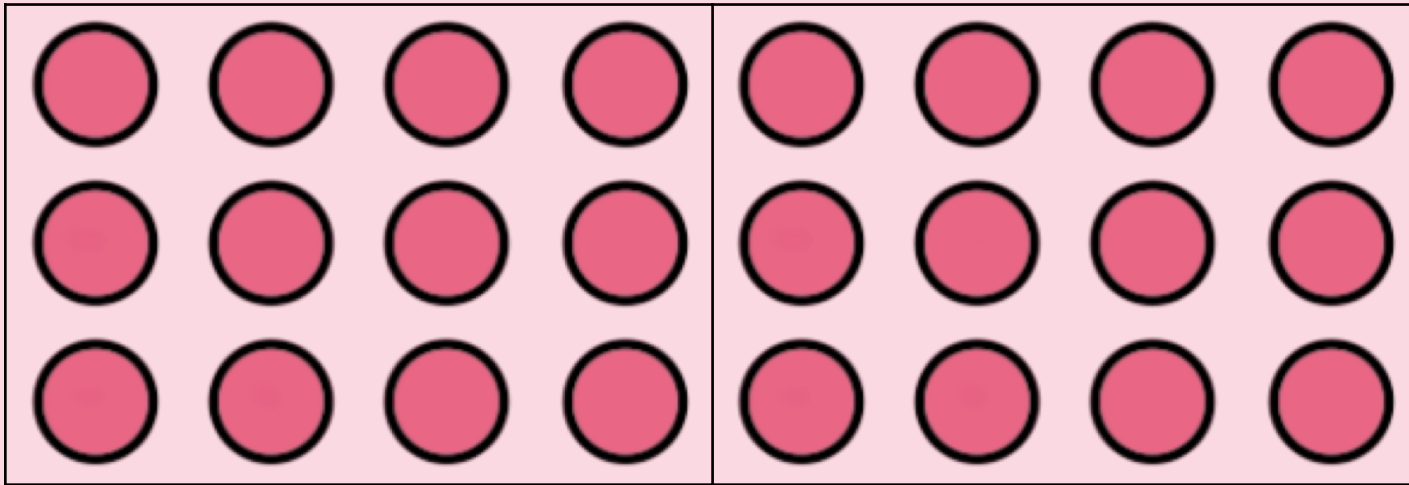


Talk Task



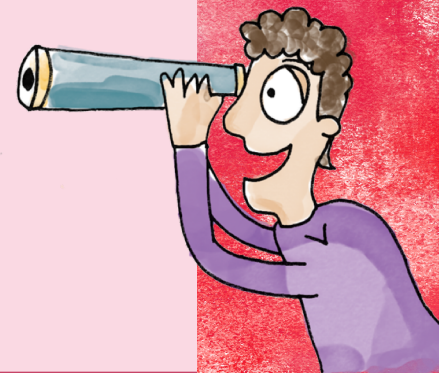
Fractions and multiplication

- The part has a value of 12 and there are two parts.



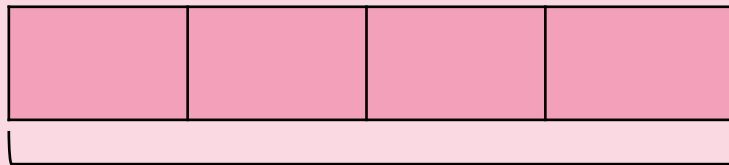
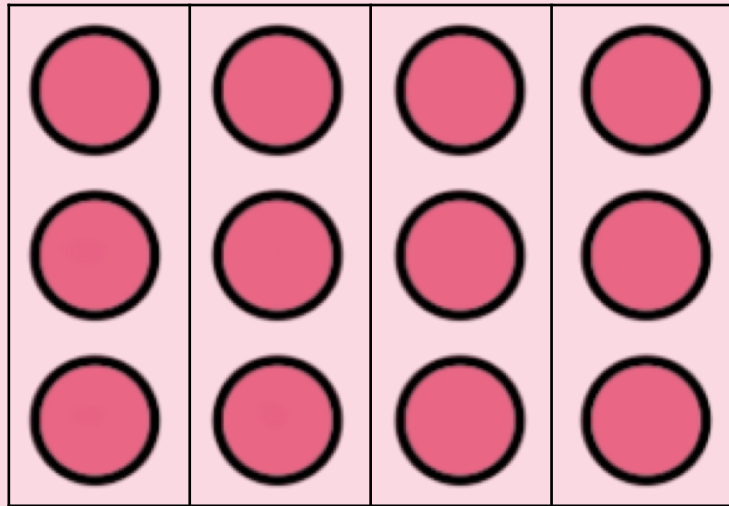
12

- 12, two times
- 12 multiplied by two
- double 12
- $12 + 12$
- two lots of 12
- two groups of 12
- two equal parts, each with a value of 12



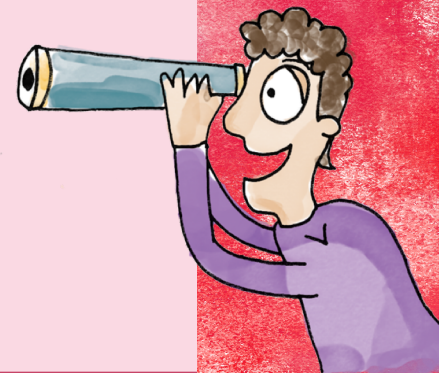
Fractions and multiplication

- The part has a value of 12 and there is a quarter of a part.



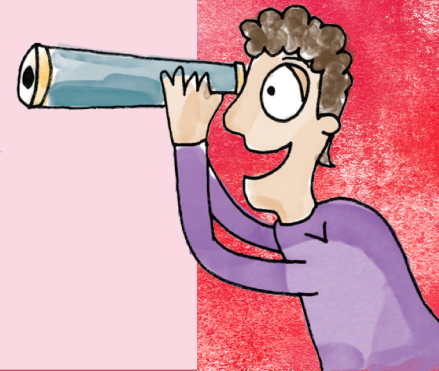
12

- 12, a quarter of a time
- 12 multiplied by a quarter
- quarter 12
- $\frac{1}{4}$ lots of 12
- $\frac{1}{4}$ of a group of 12
- $\frac{1}{4}$ of a part that has a value of 12



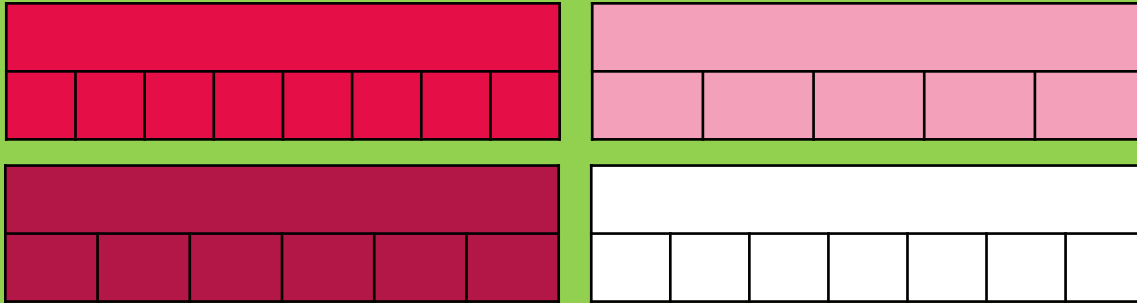
Fractions and multiplication

Stamps are sold in sheets of 24.
Amber uses three sheets.
Michael uses three quarters of a sheet.
How many stamps did each person use?



Key learning: To calculate fractions of quantities

Fractions of quantities



$$\frac{3}{5} \times 85$$

$$\frac{7}{8} \times 128$$

$$\frac{5}{6} \times 18$$

$$\frac{6}{7} \times 49$$

A newsagent receives a order of 85 newspapers a day. At 13:00, they have sold three fifths of the newspapers. How many have been sold?

A scooter costs £49. Isla has one seventh of the price left to save. How much money does she have?

Oscar has 128 football cards. He gives away one eighth of them. How many has he kept?

Anthony is completing a 18-kilometre run. So far, he has run five sixths of the distance. How far has he run?



Independent Task





Challenge:

If a quarter of my savings is £10,
how much money do I have saved?



<https://www.bbc.co.uk/bitesize/clips/zs7g4wx>

