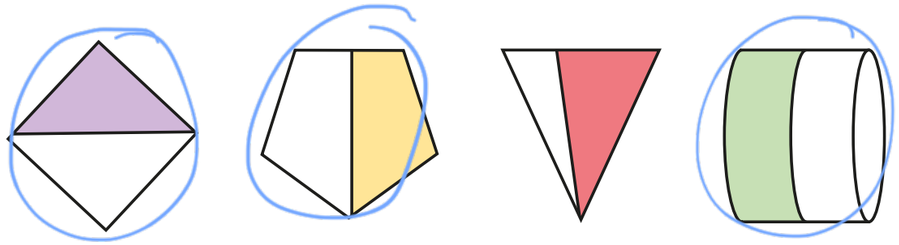
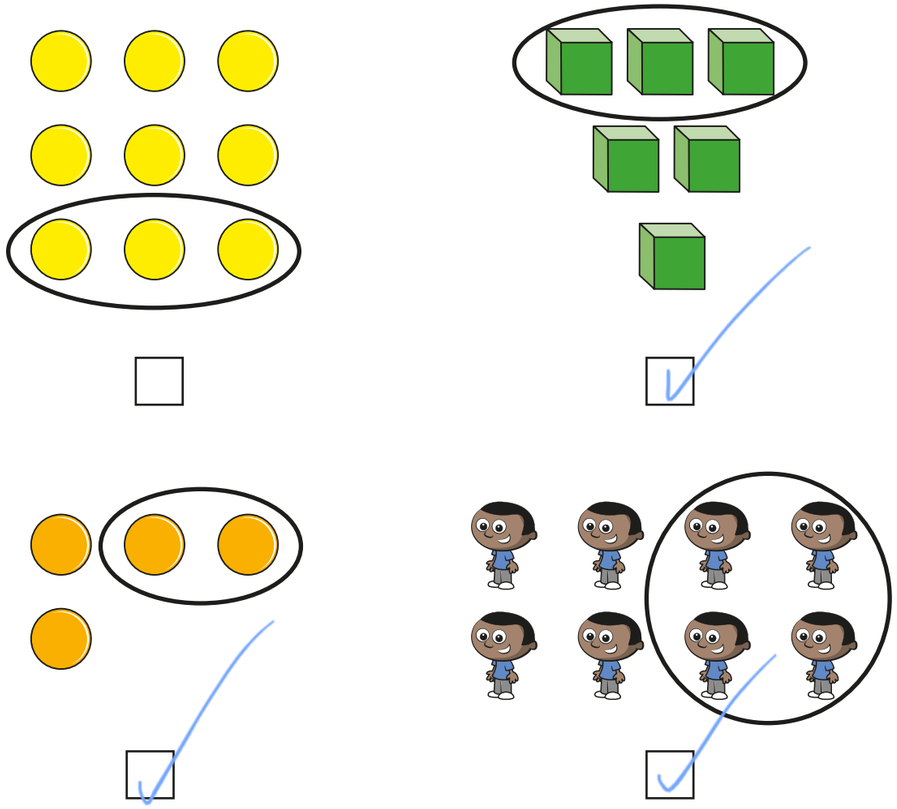
Equivalence of $\frac{1}{2}$ and $\frac{2}{4}$

1 Circle the shapes that have $\frac{1}{2}$ shaded.

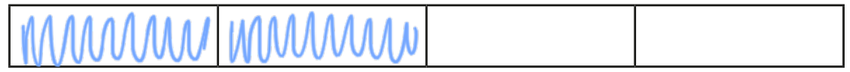


2 Tick the groups that have $\frac{1}{2}$ circled.

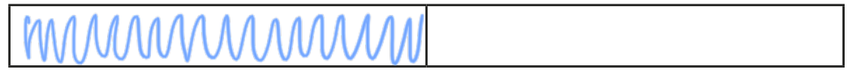


3 Here are two bar models.

a) Colour $\frac{2}{4}$ of the bar model.



b) Colour $\frac{1}{2}$ of the bar model.



What do you notice? Talk to a partner.

4 Use the sweets to help you answer the questions.

a) What is $\frac{1}{2}$ of 12?

6

b) What is $\frac{1}{4}$ of 12?

3

c) What is $\frac{2}{4}$ of 12?

6

5 Write the missing numbers.

$\frac{3}{4}$ of 20 = 15

$\frac{1}{2}$ of 20 = 10

20

$\frac{2}{4}$ of 20 = 10

$\frac{1}{4}$ of 20 = 5

6 Solve the problems.

a) Find $\frac{2}{4}$ of £8

£ 4

b) Find $\frac{2}{4}$ of 24 kg

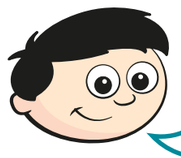
12 kg

How did you work out the answers?

7 Write the missing number.

$\frac{1}{2} = \frac{2}{4}$

8

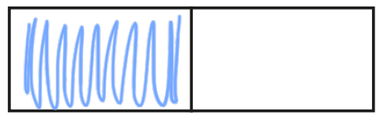


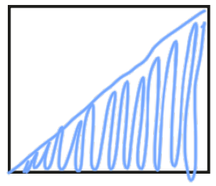
You cannot find $\frac{2}{4}$ of this shape as you cannot divide it into 4 equal parts.

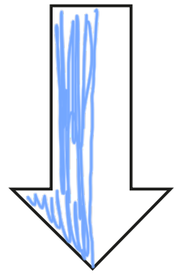
a) Do you agree with Dexter? No

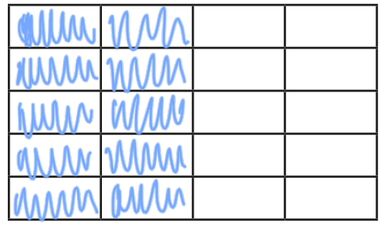
Talk about it with a partner.

b) Colour $\frac{2}{4}$ of each shape.









Talk to a partner about how you did it.