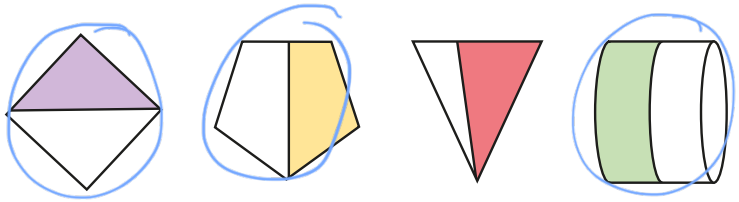
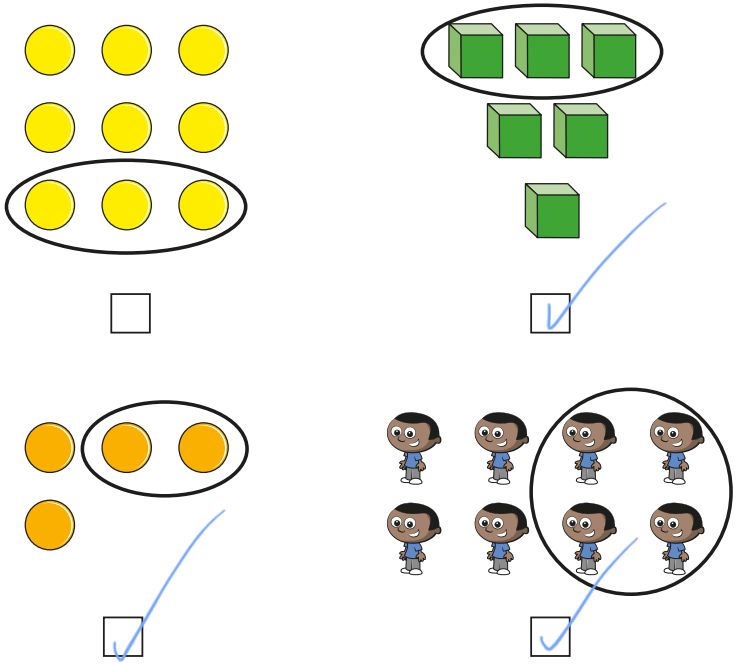
# Equivalence of $\frac{1}{2}$ and $\frac{2}{4}$

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

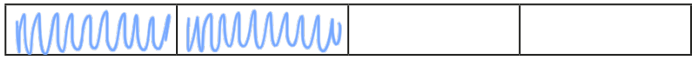


**2** Tick the groups that have $\frac{1}{2}$ circled.



**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

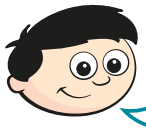
12 kg

How did you work out the answers?

**7** Write the missing number.

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

**8**

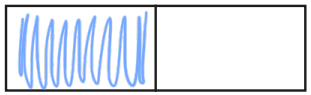


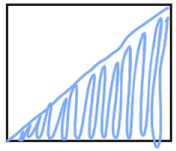
You cannot find $\frac{2}{4}$ of this shape as you cannot divide it into 4 equal parts.

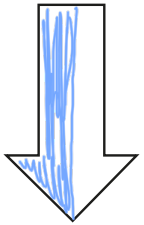
**a)** Do you agree with Dexter? No

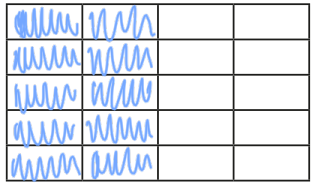
Talk about it with a partner.

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









Talk to a partner about how you did it.