

Try this

8 is 4 lots of ____

$12 = 3 \times _ \times _$

$8 = 4 \times _$

12 is 3 lots of ____ lots of ____

24 is 4 lots of ____ lots of ____

$24 = 4 \times _ \times _$

2) How many ways can you fill in the following blanks?

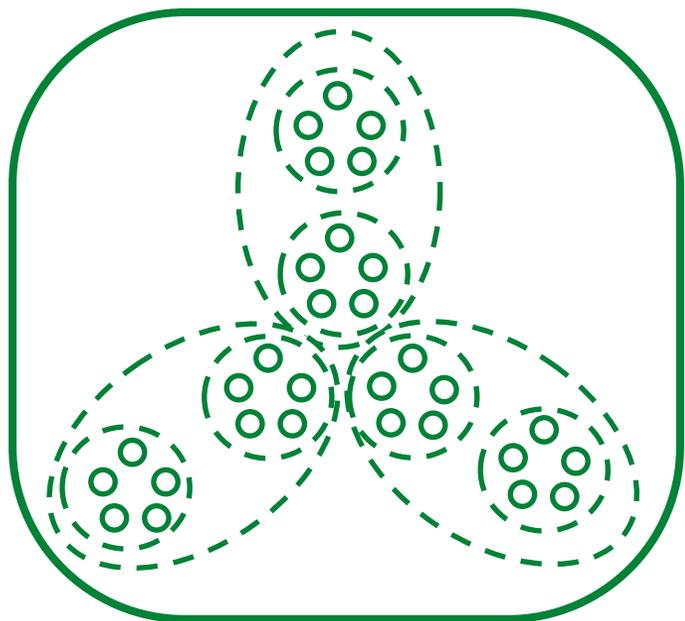
18 is 2 lots of ____ lots of ____



Connect

Exposing factors

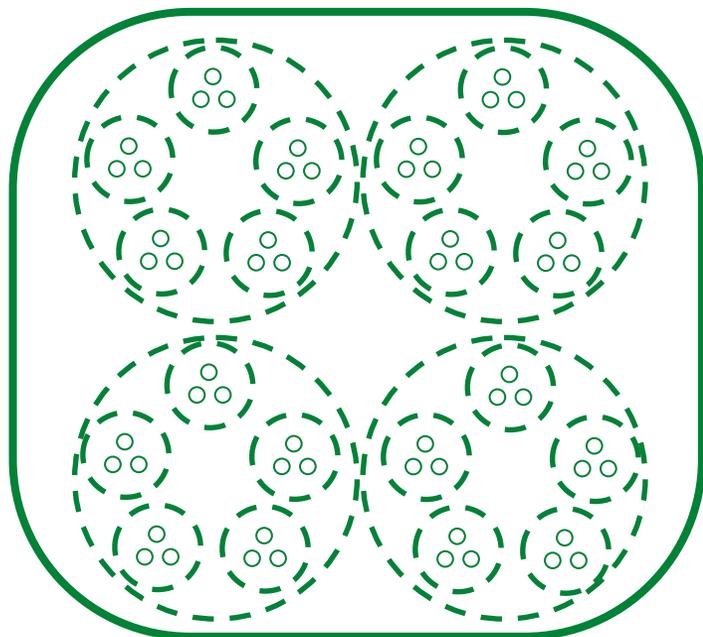
How does the image below show that 3 is a factor of 30?



Can you see any more factors?



Connect



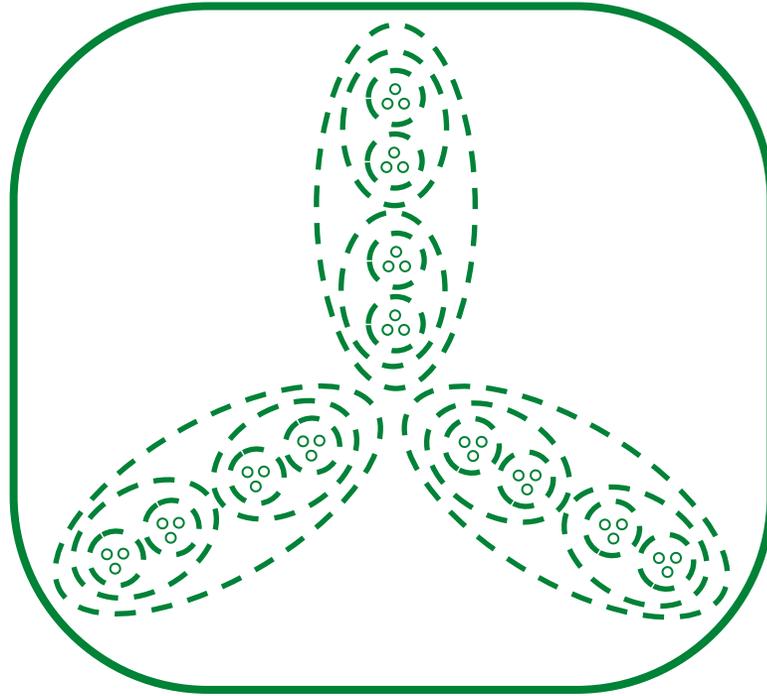
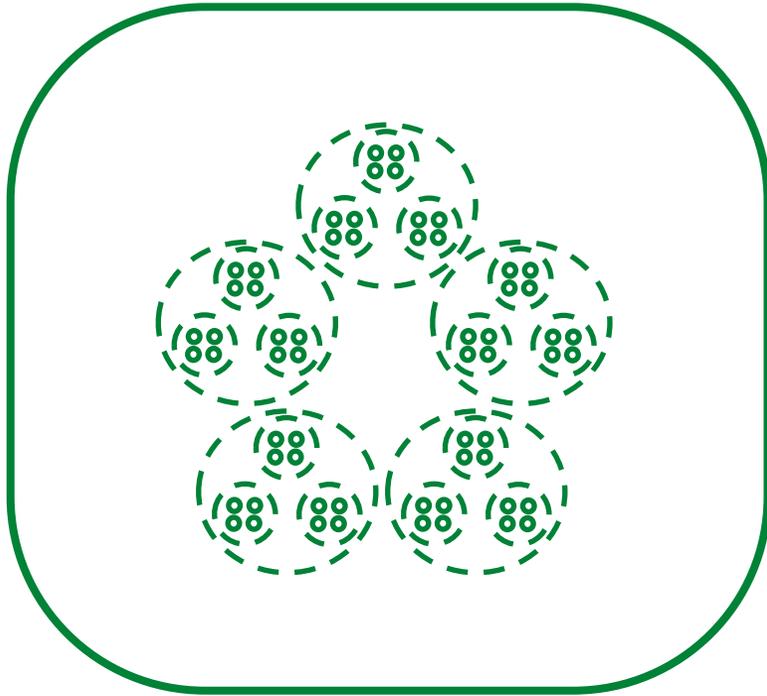
How many dots are in this image?

How do you know?

What factors of the represented number can you spot?



Independent task



- 1) How many dots are represented by each image?
- 2) How did you count them?
- 3) Are there any common factors visible between the two numbers?



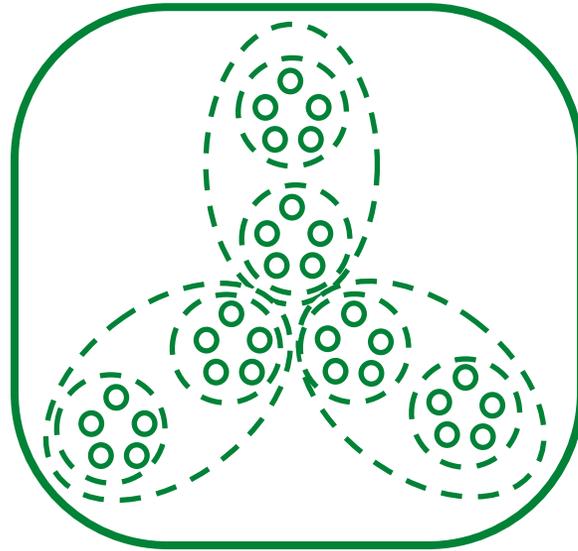
Explore

A student is asked to draw a diagram to show **3 lots of ... 2 lots of 5.**

She wrote the following:



$$3 \times (2 \times 5) = 30$$



Draw a diagram and write an expression for the following:

$$2 \text{ lots of } \dots 3 \\ \text{lots of } 2$$

$$3 \text{ lots of } \dots 2 \\ \text{lots of } 2$$

$$2 \text{ lots of } \dots 2 \\ \text{lots of } 3$$

