Let's count in multiples!

Today we will be:

Solving problems by drawing and counting groups of objects.

Say the next three numbers in this sequence…

12, 14, 16,

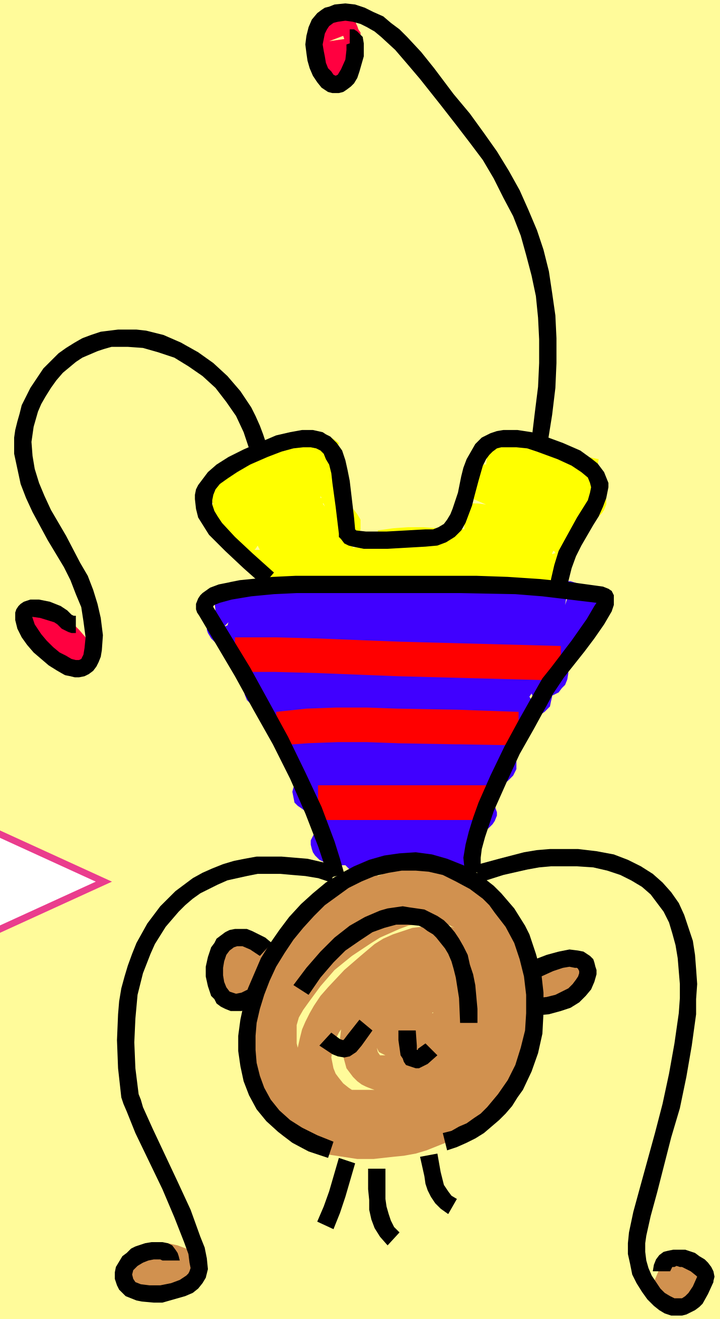
Say the next three numbers in this sequence…

30, 35, 40,

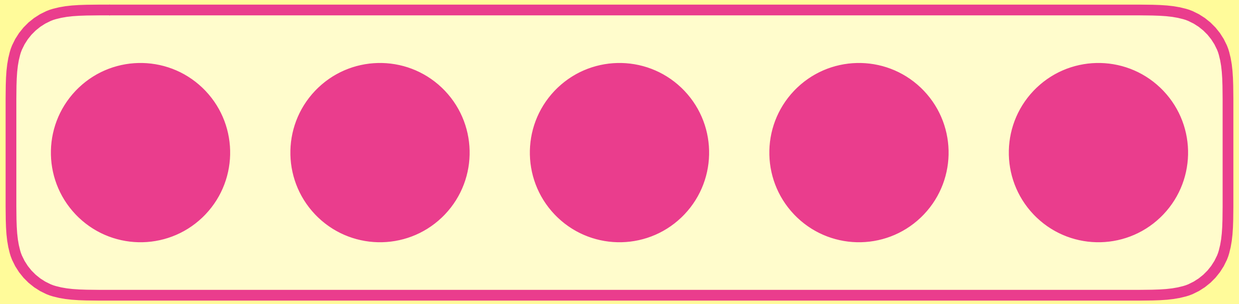
Say the next three numbers in this sequence…

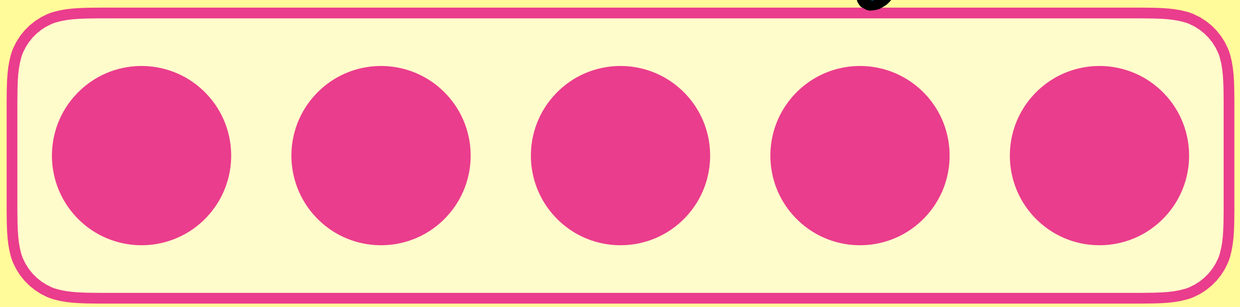
30, 40, 50,

Draw two groups of five.

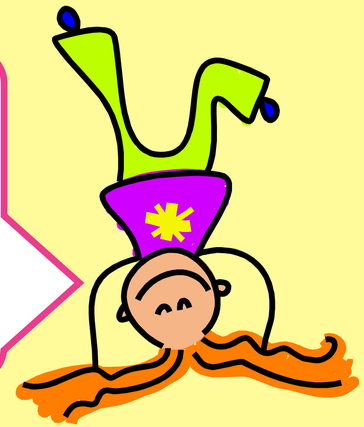


This is two groups of five.





Now draw five groups of two.



This is two groups of five.

This is five groups of two.

What do you notice?

Both sets of groups have the same total.

This is two groups of five.

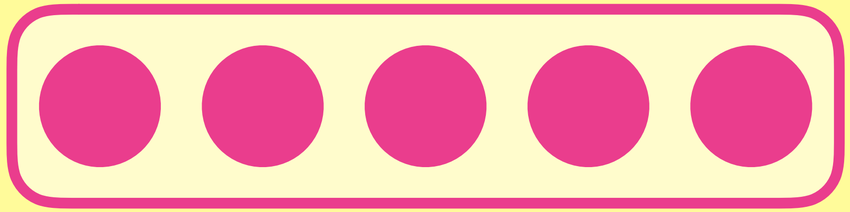
10

This is five groups of two.

10

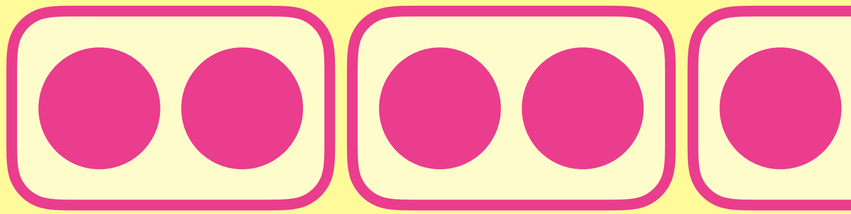
Write these groupings of objects as number sentences.

This is two groups of five.



10

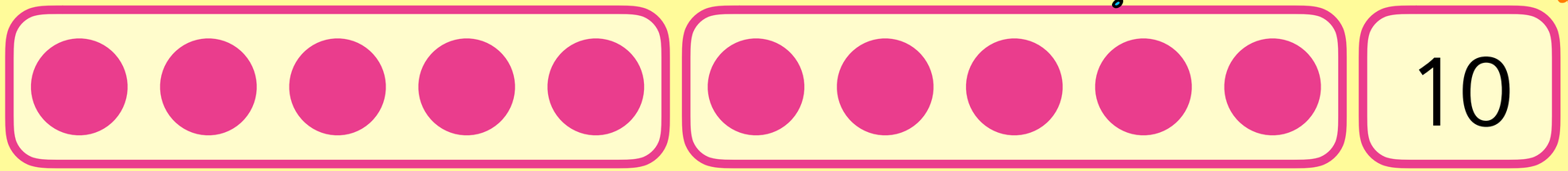
This is five groups of two.



10

Write these groupings of objects as number sentences.

This is two groups of five.

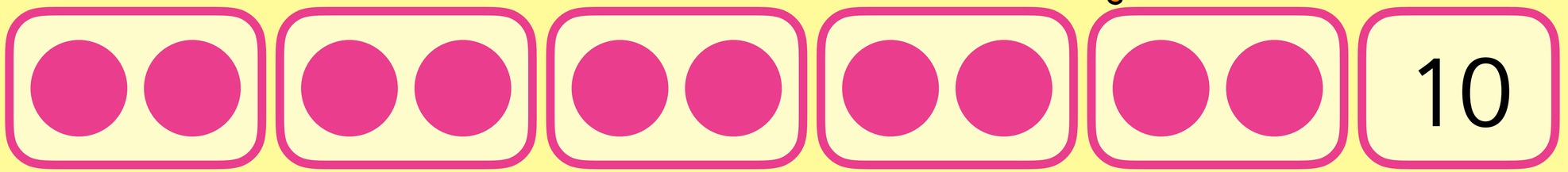


10

5 + 5 = 10

2 x 5 = 10

This is five groups of two.



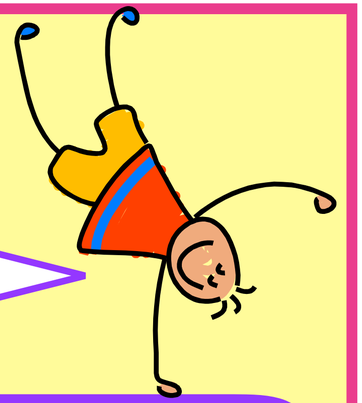
10

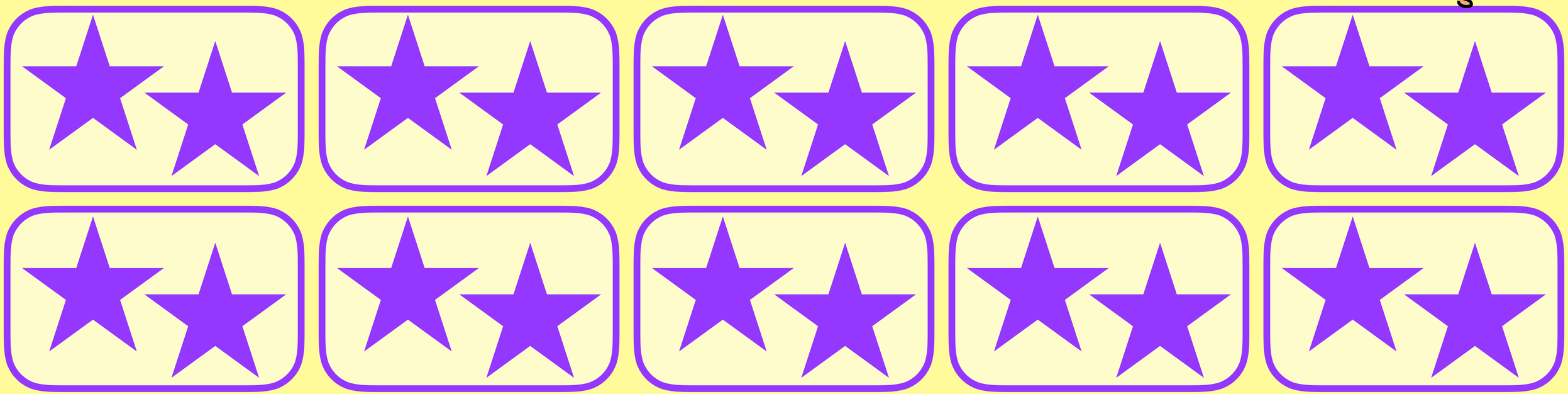
2 + 2 + 2 + 2 + 2 = 10

5 x 2 = 10

Draw ten groups of two. Then write it as a number sentence.

This is ten groups of two.

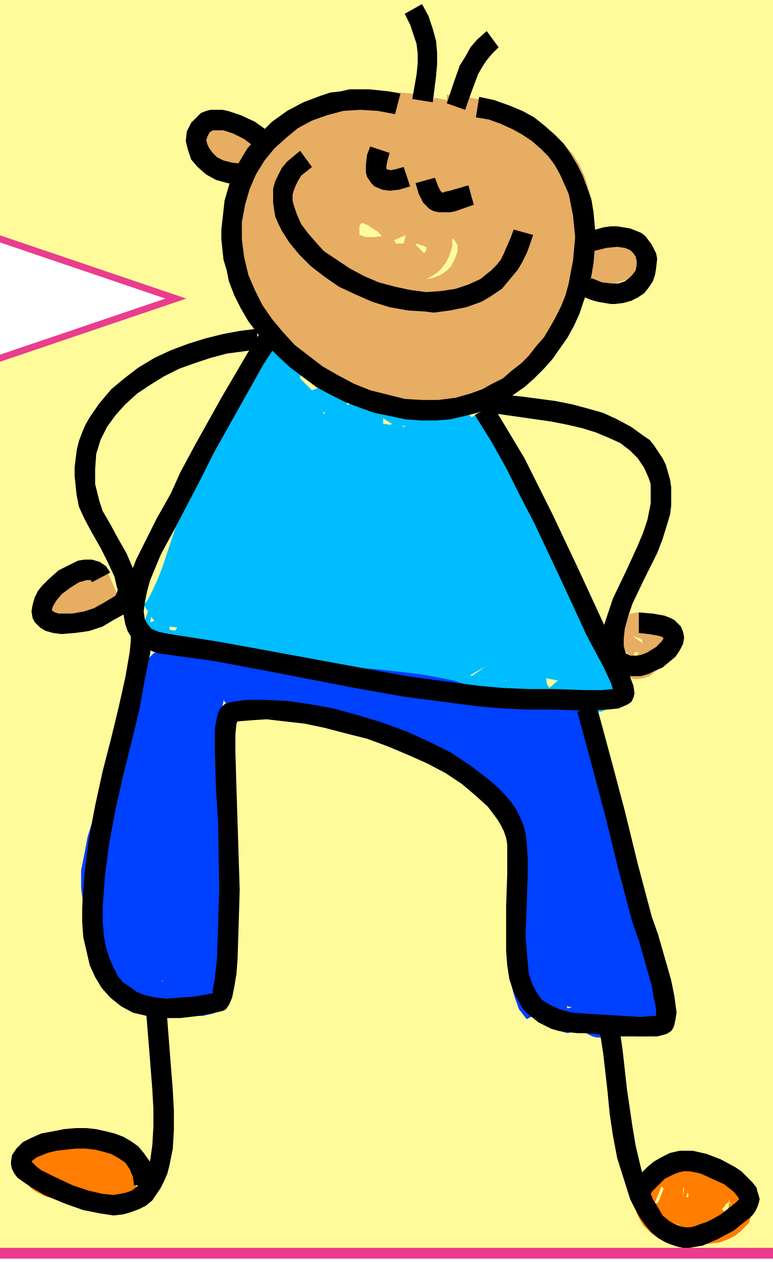




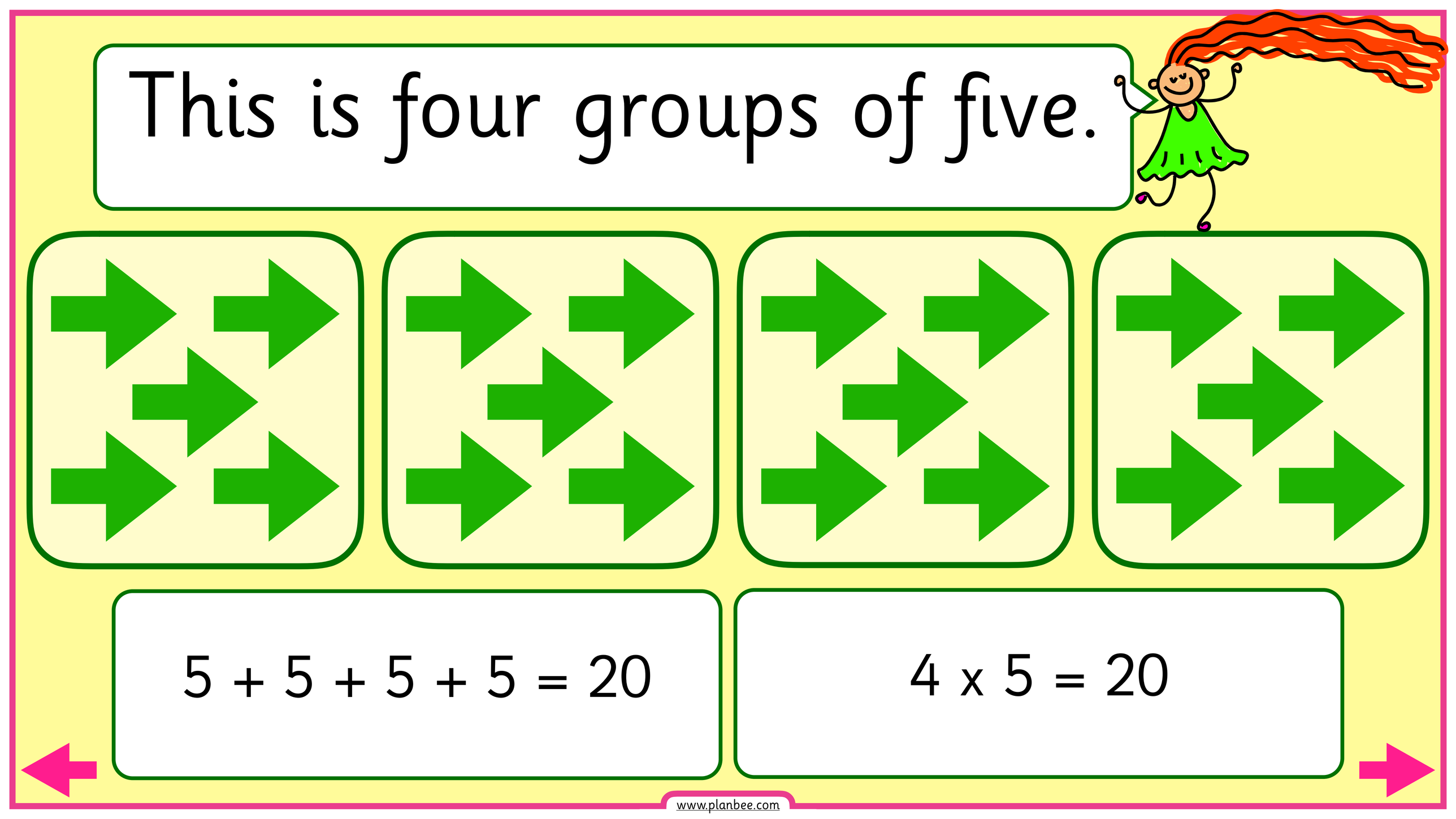
$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$$

$$10 \times 2 = 20$$

Draw four groups of five. Then write it as a number sentence.



This is four groups of five.

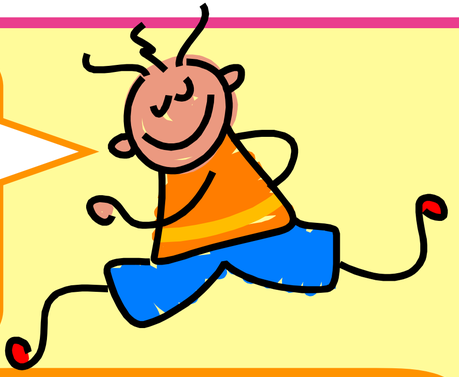


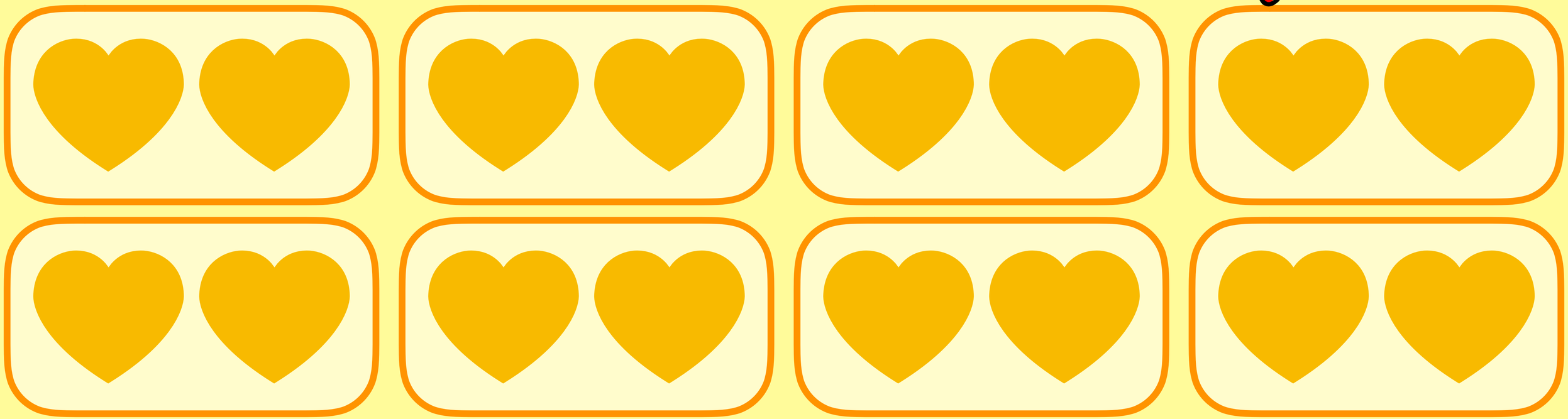
5 + 5 + 5 + 5 = 20

4 x 5 = 20

Draw eight groups of two. Then write it as a number sentence.

This is eight groups of two.





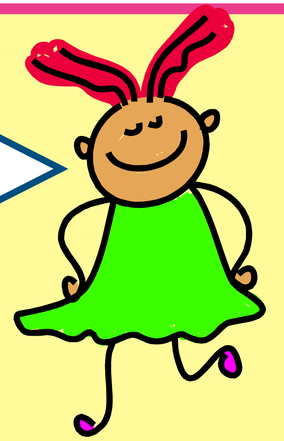
$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$$

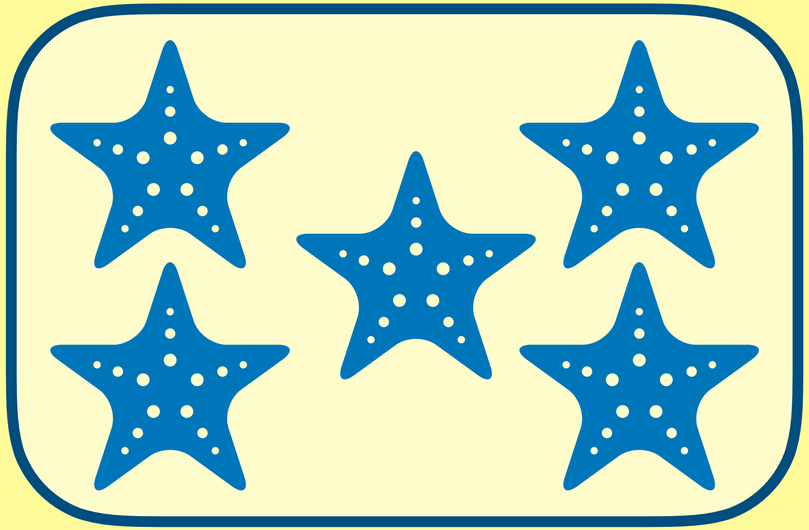
$$8 \times 2 = 16$$

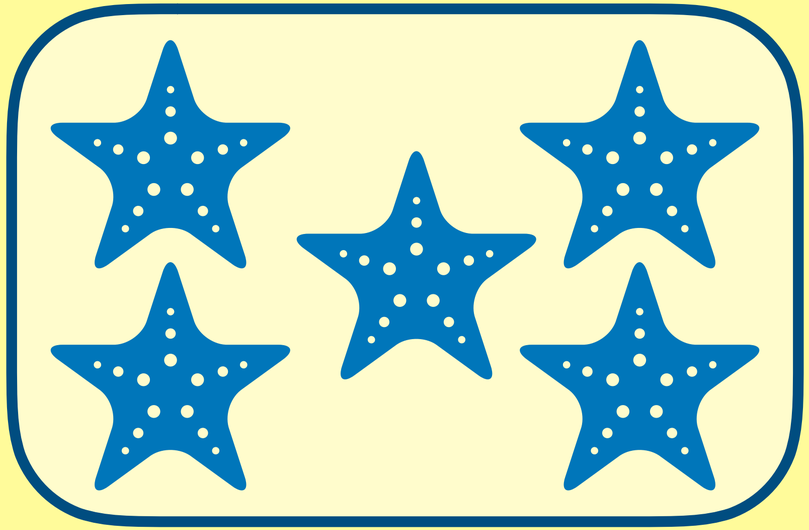
Plenary

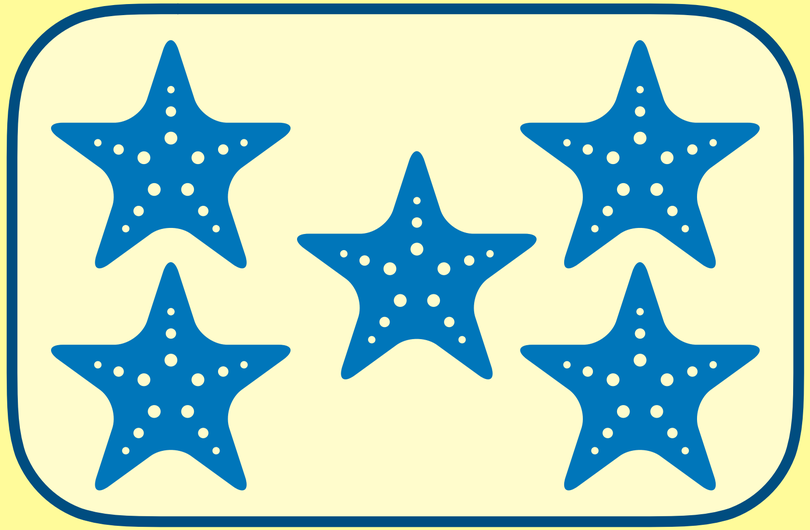
Which number sentence represents the way these objects have been grouped?

Think, pair, share.









5 x 5 =

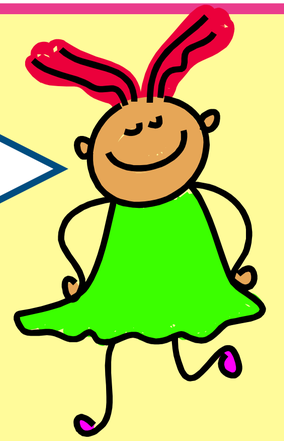
5 x 3 =

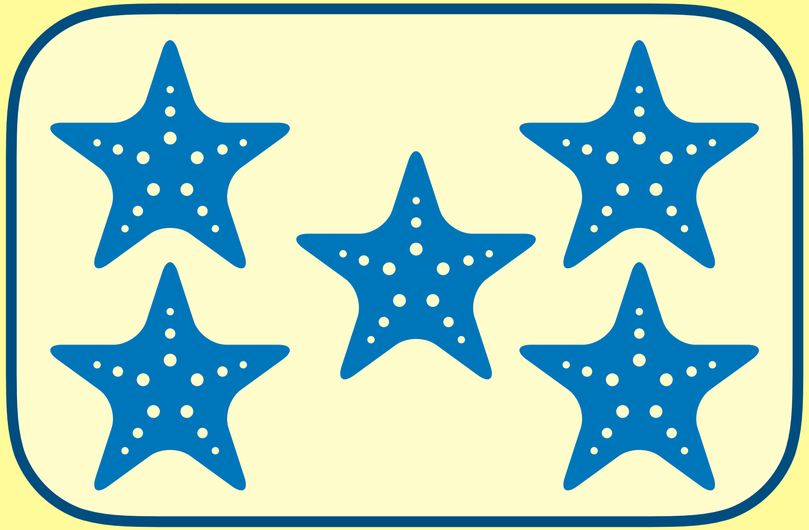
3 x 5 =

Plenary

Which number sentence represents the way these objects have been grouped?

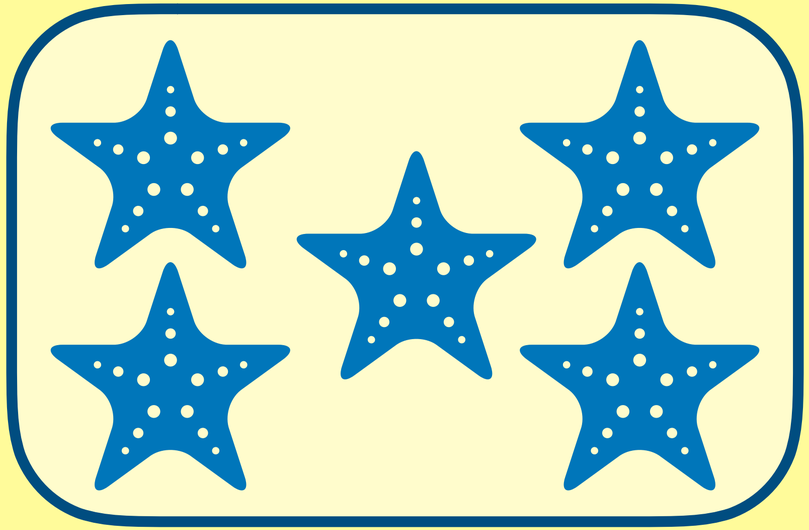
Think, pair, share.





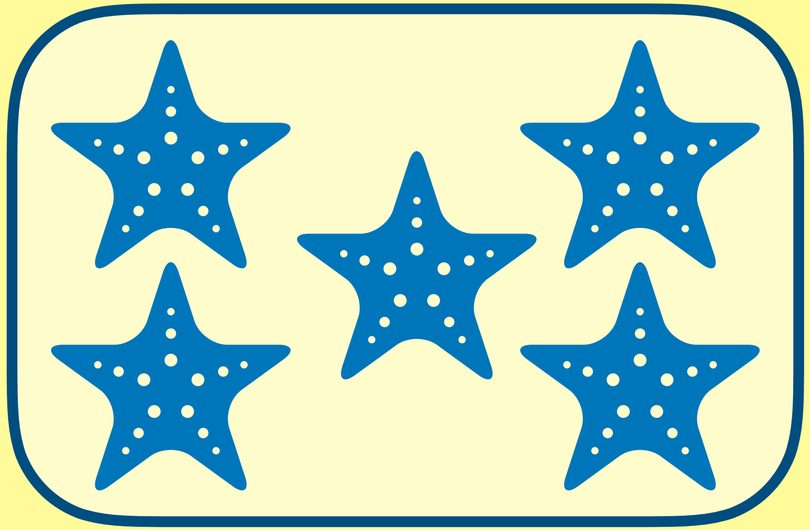
Five groups of five

5 x 5 = 25



Five groups of three

5 x 3 = 15



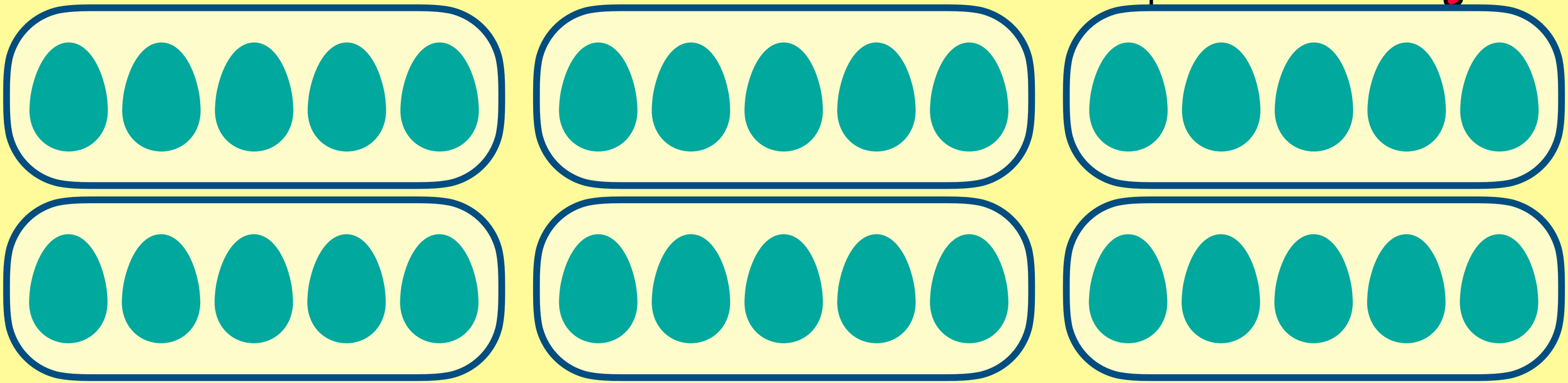
Three groups of five

3 x 5 = 15

Plenary

Which number sentence represents the way these objects have been grouped?

Think, pair, share.



5 x 5 =

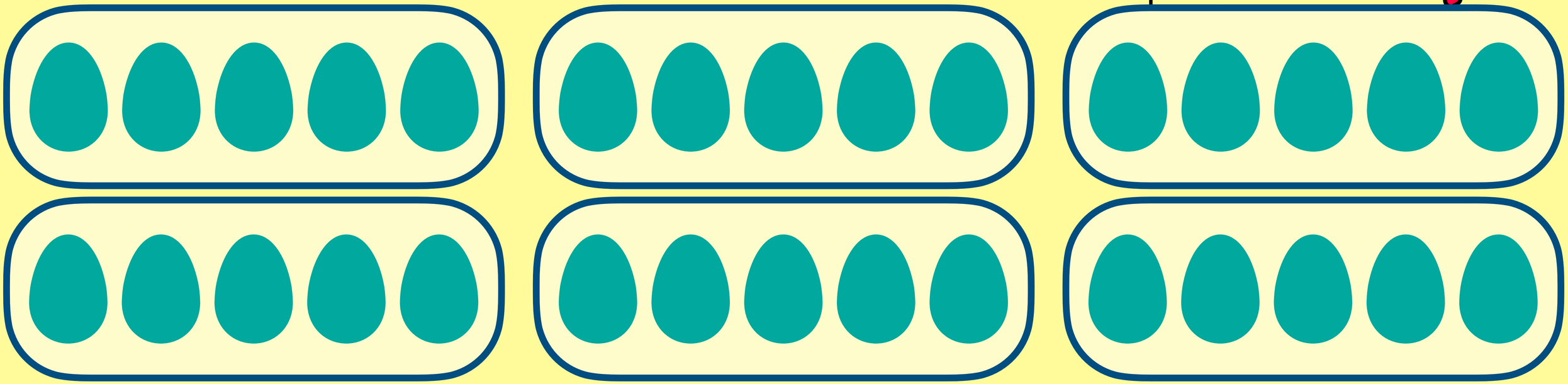
6 x 5 =

2 x 6 =

Plenary

Which number sentence represents the way these objects have been grouped?

Think, pair, share.



5 x 5 = 25

Five groups of five

Six groups of five

6 x 5 = 30

2 x 6 = 12

Two groups of six