Key learning: To use the multiplication symbol
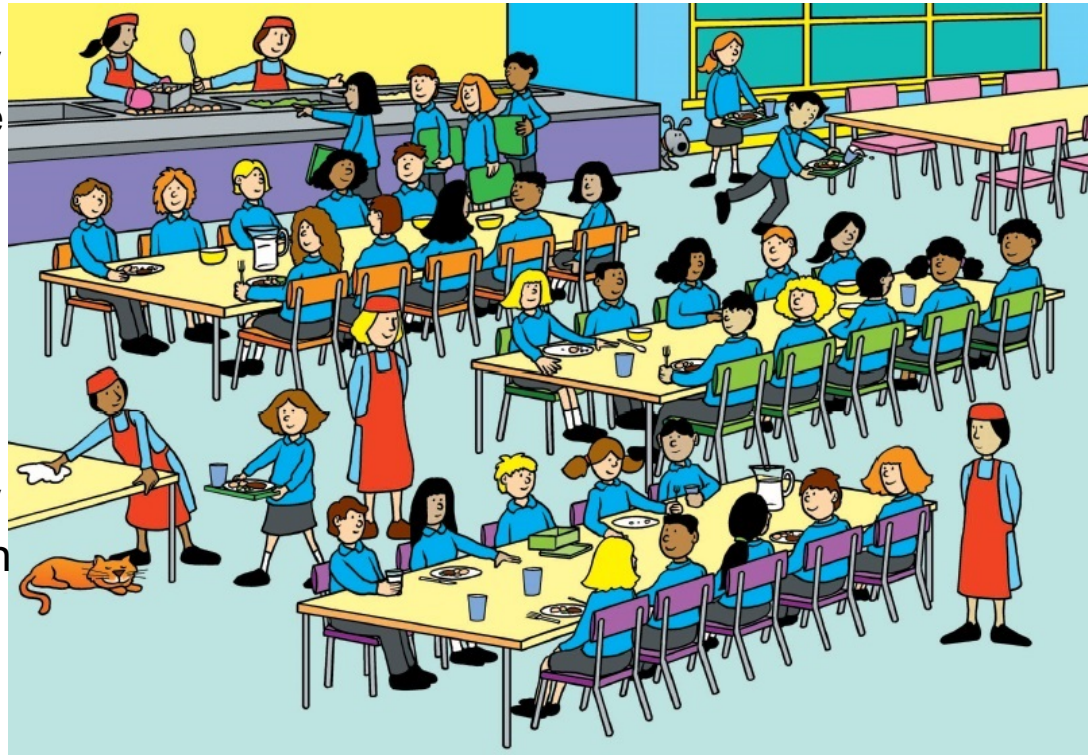
Do Now

How many groups are there?

How many are on the tables altogether?

How many are in each group?
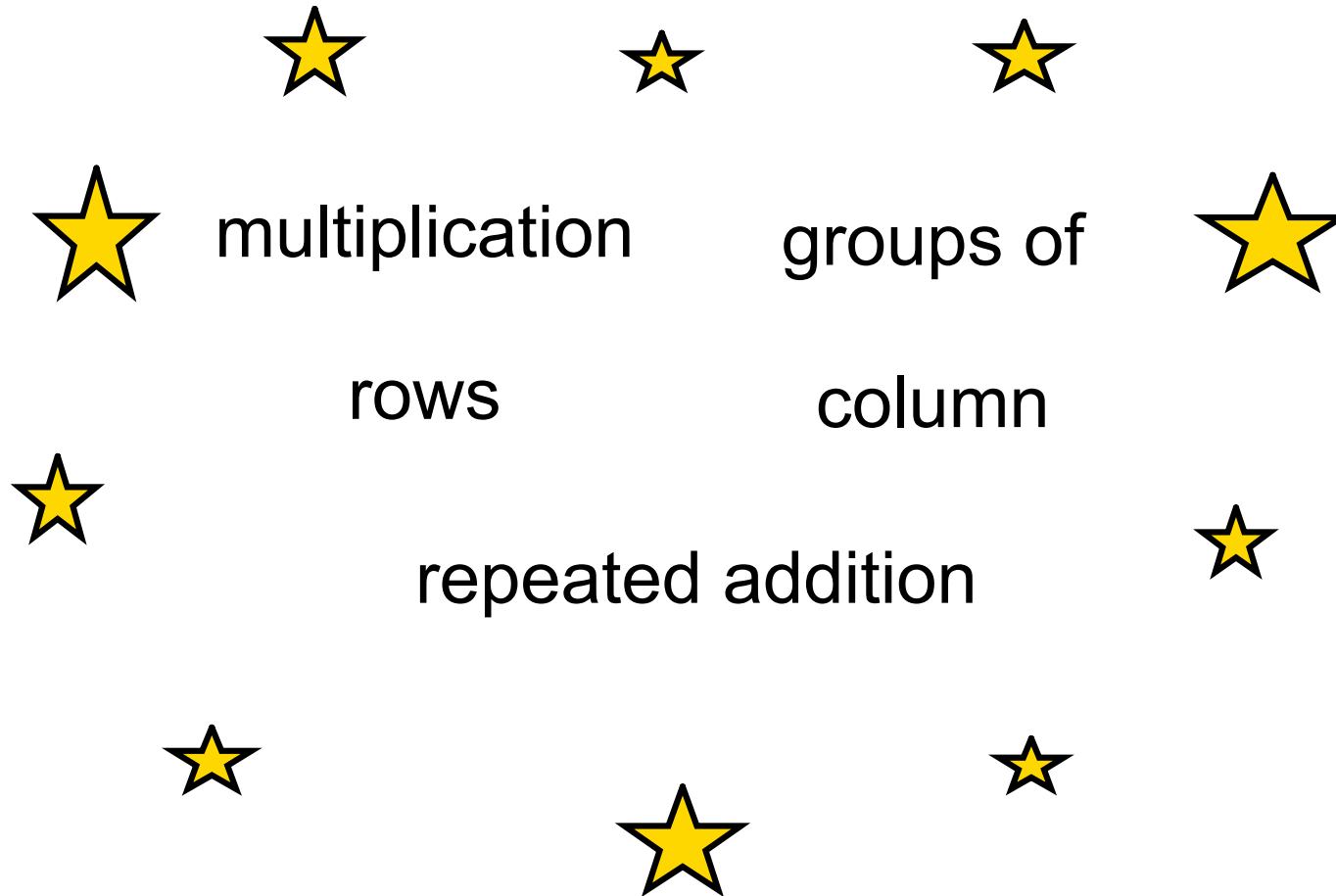
multiplication   repeated addition   groups of   rows   column

Doubles and near doubles to 10

Key learning: To use the multiplication symbol

Star words

multiplication   groups of
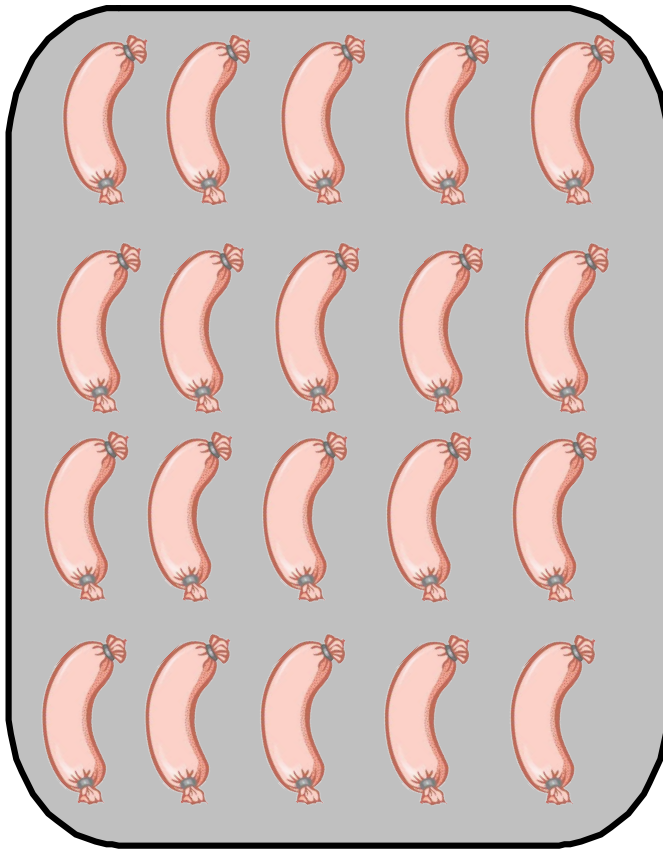
rows   column

repeated addition

| multiplication   repeated addition   groups of   rows   column |

Key learning: To use the multiplication symbol

New Learning

A cook is preparing school dinners. A tray can hold 4 rows of 5 sausages. How many sausages can fit in one tray?
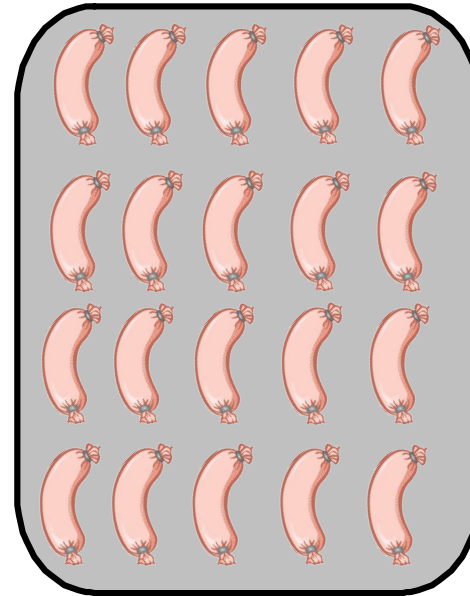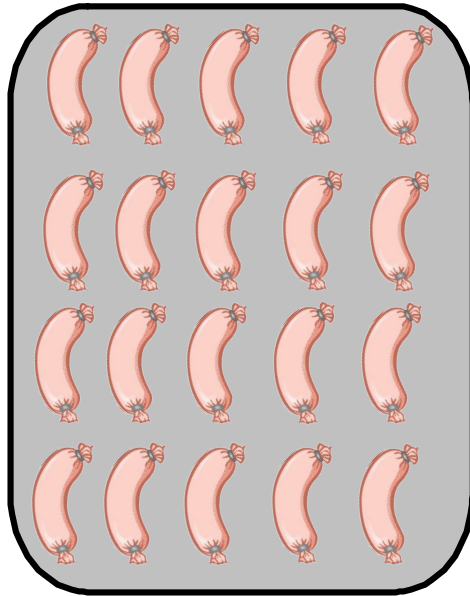
multiplication   repeated addition   groups of   rows   column

Key learning: To use the multiplication symbol
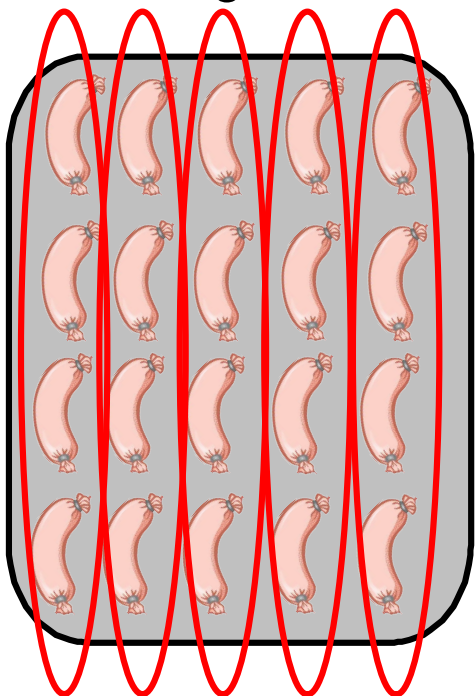
New Learning

How did you count the

sausages?

multiplication   repeated addition   groups of   rows   column
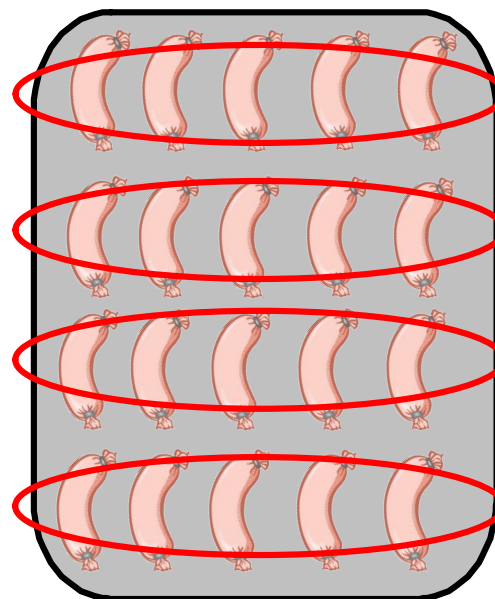
Key learning: To use the multiplication symbol

New Learning

$4 + 4 + 4 + 4 + 4$

5×4

$5 + 5 + 5 + 5$

4×5

multiplication	repeated addition	groups of	rows	column

Key learning: To use the multiplication symbol

New Learning

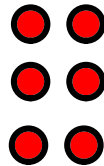A cook is preparing school dinners. A tray can hold 6 rows of 5 cakes. How many cakes can fit in one tray?

multiplication   repeated addition   groups of   rows   column

Key learning: To use the multiplication symbol

Task A

Pupil A: Read a word problem

Pupil B: Draw an array using circles in your book for each question.

"A tray can hold 3 rows of 2 fish fingers. How many fish fingers can fit in one tray?"

"I will create an array. Each row has 2 counters. There are three rows."

There are 6 fish fingers in total. 2, 4, 6. That is 2 + 2 + 2 = 6.

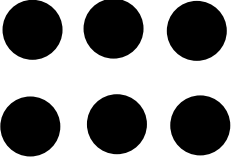*There are 3 groups of 2. 3 x 2 = 6.*

I can also write 3 + 3 = 6

There are 2 groups of 3. 2 x 3 = 6.

multiplication   repeated addition   groups of   rows   column   *Doubles and near doubles to 10*

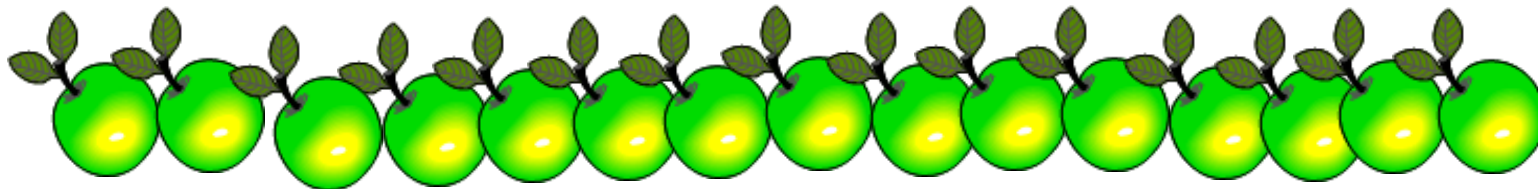|	
3 window panes fit in each row. If there are 2 rows how many window panes are needed? 2 rows of 3 2 X 3 = 6	The cook arranges cakes in rows of 3. There are 6 rows. How many cakes are there altogether?
A tray can hold 2 rows of 4 fish fingers. How many fish fingers can fit in one tray?	A table can hold 3 rows of 5 cups. How many cups can fit on one table?
A tray can hold 2 rows of 5 pies. How many pies can fit in one tray?	The cook arranges biscuits in rows of 3. There are 4 rows. How many biscuits are there altogether?

Key learning: To use the multiplication symbol

Task B

The school cook has 12 cakes. How many different ways can she arrange them?

There are 16 apples in a bowl. How many different ways can you arrange them?

Write down all the equations in your books to match your arrays.

Doubles and near doubles to 10

multiplication   repeated addition   groups of   rows   column

Key learning: To use the multiplication symbol

CHALLENGE

There are 10 cakes in a row. The school cook bakes lots of cakes so she has 5 rows of cakes. How many cakes has she got altogether?

10 + 5   10 + 10 + 10 + 10 + 10

5 x 10   5 + 5 + 5 + 5 + 5

Doubles and near doubles to 10

multiplication   repeated addition   groups of   rows   column