

Maths Friday Less Challenging

Repeated addition expressions and multiplication expressions- Can you match repeated addition expressions to multiplication expressions?

Fill in the missing gaps:

Example



There are 4 groups of 3
 $3 + 3 + 3 + 3$

$$\boxed{4} \times \boxed{3}$$

There are...four threes.....

$$\boxed{} \times \boxed{}$$

number **of** groups number **in** each group



There are groups of.....

$$3 + 3 + 3$$

$$\boxed{} \times \boxed{}$$

There are.....



There are groups of.....

$$2 + 2 + 2 + 2$$

$$\boxed{} \times \boxed{}$$

There are.....



4	4		4	4
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There are groups of.....

$$4 + 4 + 4 + 4 + \dots\dots\dots$$

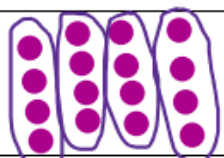
$$\boxed{} \times \boxed{}$$

Practice matching repeated addition expression to multiplication expressions

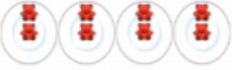
Example

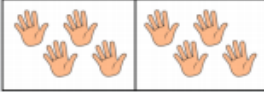
3	1×3	
$3 + 3$	2×3	
$3 + 3 + 3$	3×3	
$4 + 4 + 4 + 4$	4×3	

Repeated addition expression Multiplication expression Representation

4 There is 1 group of 4	1×4	
4 + 4 There are 2 groups of 4		
4 + 4 + 4 There are 3 groups of 4		
	4×4	

Example:

 $2 + 2 + 2 + 2$	1×3
 3	4×2
 $5 + 5 + 5$	2×4
 $4 + 4$	3×5

 5	3×2
 $2 + 2 + 2$	1×5
 $4 + 4$	4×3
 $3 + 3 + 3 + 3$	2×4

Purple challenge

Ben says,



$$3 \times 4 = 4 + 4 + 4$$

Is Ben correct?
Explain how you know.

Answers:



There are 3 groups of 3.

There are 4 groups of 2.

$$3 + 3 + 3$$

$$2 + 2 + 2 + 2$$

$$\boxed{3} \times \boxed{3}$$

$$\boxed{4} \times \boxed{2}$$

There are.....**three threes**

There are.....**four twos**.....



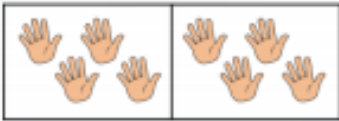
4	4	<u>4</u>	4	4
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There are 5 groups of 4.

$$4 + 4 + 4 + 4 + \dots \text{4} \dots$$

$$\boxed{5} \times \boxed{4}$$

4 There is 1 group of 4	1 x 4	
4 + 4 There are 2 groups of 4	2 x 4	
4 + 4 + 4 There are 3 groups of 4	3 x 4	
4 + 4 + 4 + 4	4 x 4	

 5	3×2
 $2 + 2 + 2$	1×5
 $4 + 4$	4×3
 $3 + 3 + 3 + 3$	2×4

Purple challenge

Ben says,



$$3 \times 4 = 4 + 4 + 4$$

Is Ben correct?
Explain how you know.

Yes. Ben has shown there are 3 groups of 4 through a repeated addition expression and a multiplication expression.

