

Maths Friday More 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.....

$$4 + 4 + 4 + 4 + 4$$

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

There are.....

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

$$2 + 2 + 2 + 2$$

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

There are.....

There are groups of.....

$$5 + 5 + 5 + 5$$

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

There are

10	10		10	10
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There are groups of.....

$$10 + 10 + 10 + 10 +$$

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

There are.....

Purple challenge

Convince me!
Have I got four threes?
Explain your answer

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

Answers

There are 3 groups of 3

$$3 + 3 + 3$$

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

There are **three threes**

There are 4 groups of 2

$$2 + 2 + 2 + 2$$

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

There are **four twos**

There are 5 groups of 4

$$4 + 4 + 4 + 4 + 4$$

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

There are **five fours**

There are 4 groups of 5

$$5 + 5 + 5 + 5$$

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

There are **four fives**

10	10	<u>10</u>	10	10
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There are 5 groups of 10

$$10 + 10 + 10 + 10 + \dots \text{10} \dots$$

$$\boxed{5} \times \boxed{10}$$

There are **five tens**

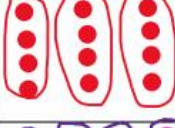
<u>6</u>	6	<u>6</u>	6
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There are 4 groups of 6

$$6 + 6 + 6 + \dots \text{6} \dots$$

$$\boxed{4} \times \boxed{6}$$

There are **four sixes**

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

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

Purple challenge

Convince me!
Have I got **four threes**?

Explain your answer

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

Yes, because there are 4 groups of 3. I can write this as $3 + 3 + 3 + 3$ and as 4×3 . There are four threes.