

Maths Wednesday Lesson 8 More Challenging

Repeated addition expression - Does the representation match the expression?

True or False

Example:

This picture shows $2 + 2 + 2$



.....**True**.....

There are **3** groups of **2**.

There are **2** and **2** and **2**.

There are **three twos**.

We can write this as $2 + 2 + 2$

This picture shows $4 + 4 + 4 + 4$



.....

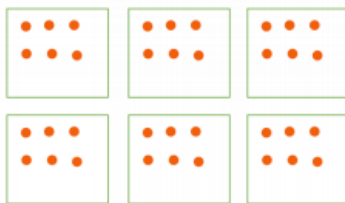
There are.....groups of

There are.....and.....and.....

There are.....

We can write this as.....

This picture shows $6 + 6 + 6 + 6 + 6 + 6$



.....

There are.....groups of

There are.....and.....and.....and...

and.....and.....

There are.....

We can write this as.....

This picture shows $5 + 5 + 5$



.....

There are.....groups of

There are.....and.....and.....and...
and.....

There are.....

We can write this as.....

This picture shows $2 + 2 + 2 + 2$



.....

There are.....groups of

There are.....and.....and.....and...

There are.....

We can write this as.....

This picture shows $5 + 5 + 5$



.....

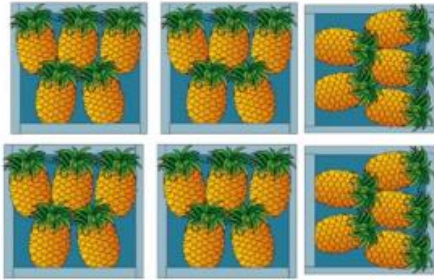
There are.....groups of

There are.....and.....and...

There are.....

We can write this as.....

Circle the correct repeated addition expression to match each representation



$5 + 5 + 5 + 5 + 5 + 5$

$6 + 6 + 6 + 6 + 6$

$6 + 5$



$4 + 4 + 4 + 4 + 4$

$4 + 5$

$5 + 5 + 5 + 5$



$3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3$

$10 + 10 + 10$

$10 + 3$



$2 + 2 + 2 + 2 + 2$

$5 + 5$

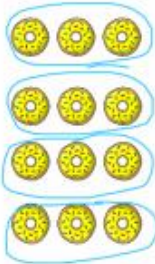
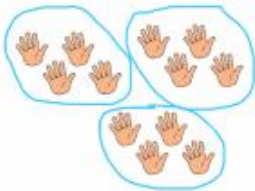
$2 + 5$

Match each representation to the correct bar model and repeated addition expression

3	3	3	3
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4	4	4
---	---	---

4	4	4	4	4
---	---	---	---	---



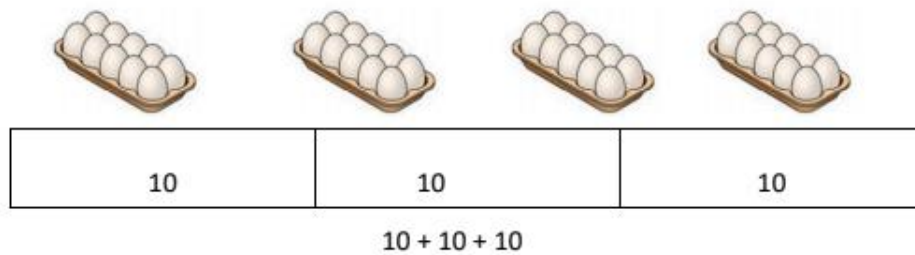
|

$4 + 4 + 4$

$4 + 4 + 4 + 4 + 4$

$3 + 3 + 3 + 3$

Lisa has drawn a bar model and written a repeated addition expression to match the picture below.



Is she right?
Explain your answer

Purple challenge

Kat and Asha are making equal groups of doughnuts.

Three trays of blue doughnuts are shown, each containing 10 doughnuts.

Kat says: "We need one more group to make 40."

Asha says: "We need 10 more doughnuts to make 40."

Who do you agree with? Explain why.

Answers:

True or False

Example:

This picture shows $2 + 2 + 2$



.....True.....

There are 3 groups of 2.

There are 2 and 2 and 2.

There are three twos.

We can write this as $2 + 2 + 2$

|

This picture shows $4 + 4 + 4 + 4$



.....False.....

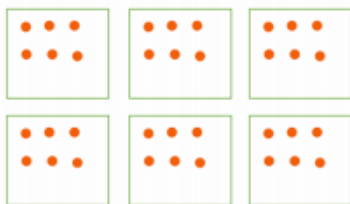
There are 3 groups of 4.

There are 4 and 4 and 4.

There are three fours.

We can write this as $4 + 4 + 4$.

This picture shows $6 + 6 + 6 + 6 + 6 + 6$



.....True.....

There are 6 groups of 6.

There are 6 and 6 and 6 and 6 and 6 and 6.

There are six sixes.

We can write this as $6 + 6 + 6 + 6 + 6 + 6$.

This picture shows $5 + 5 + 5$



.....False.....

There are 5 groups of 3.

There are 3 and 3 and 3 and 3 and 3.

There are five threes.

We can write this as $3 + 3 + 3 + 3 + 3$.

This picture shows $2 + 2 + 2 + 2$



.....False.....

There are 4 groups of 4.

There are 4 and 4 and 4 and 4.

There are four fours.

We can write this as $4 + 4 + 4 + 4$.

This picture shows $5 + 5 + 5$



.....True.....

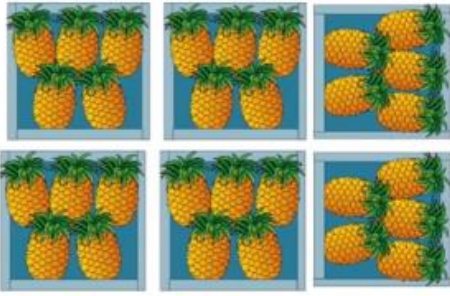
There are 3 groups of 5.

There are 5 and 5 and 5.

There are three fives.

We can write this as $5 + 5 + 5$.

Circle the correct repeated addition expression to match each representation



$5 + 5 + 5 + 5 + 5$

$6 + 6 + 6 + 6 + 6$

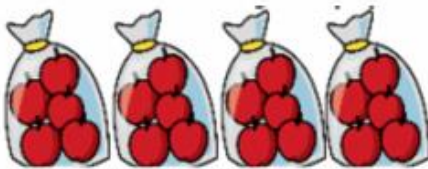
$6 + 5$



$3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3$

$10 + 10 + 10$

$10 + 3$



$4 + 4 + 4 + 4 + 4$

$4 + 5$

$5 + 5 + 5 + 5$

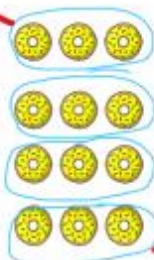
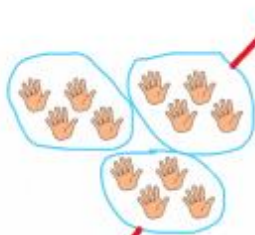
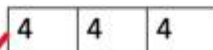
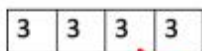


$2 + 2 + 2 + 2 + 2$

$5 + 5$

$2 + 5$

Match each representation to the correct bar model and repeated addition expression

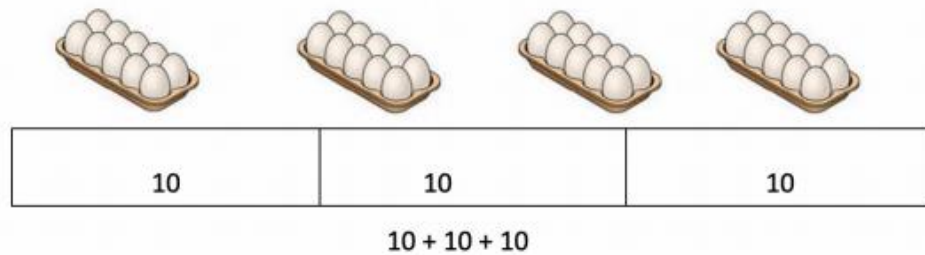


$4 + 4 + 4$

$4 + 4 + 4 + 4 + 4$

$3 + 3 + 3 + 3$

Lisa has drawn a bar model and written a repeated addition expression to match the picture below.



Is she right?
Explain your answer

**No Lisa is incorrect. The bar model shows 3 groups of 10. It should show 4 groups of 10.
There are 4 groups of 10
There are 10 and 10 and 10 and 10
There are four tens.
We can write this as $10 + 10 + 10 + 10$**

10	10	10	10
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Kat and Asha are making equal groups of doughnuts.



Who do you agree with? Explain why.

**Both are correct.
One more group of ten is the same as adding 10 more doughnuts.**