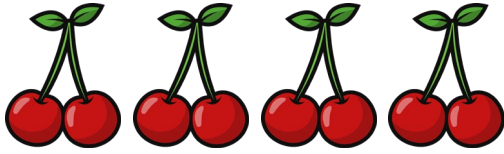


Adding equal groups



Problem solving and reasoning cards:

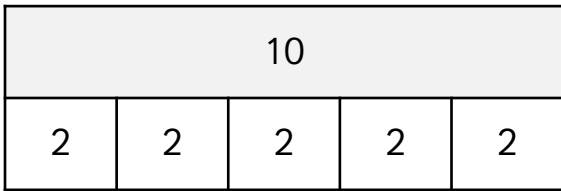
Che is counting cherries.



$$4 + 2 = 6$$

Can you spot and explain Che's mistake?

Match the bar model to the correct picture. Circle the picture.



Beth is making equal groups of doughnuts.



Adding one more group is the same as adding 10 more doughnuts.

Do you agree with Beth?

Explain why?

Use $<$ or $>$ to compare the repeated additions.

$$5 + 5 \quad \square \quad 2 + 2 + 2 + 2$$

$$10 + 10 + 10 \quad \square \quad 5 + 5 + 5 + 5 + 5$$

$$2 + 2 + 2 + 2 \quad \square \quad 5 + 5 + 5$$

$$10 + 10 \quad \square \quad 5 + 5 + 5 + 5 + 5$$

$$5 + 5 + 5 \quad \square \quad 10 + 10$$

The repeated addition below is equal to the bar model.

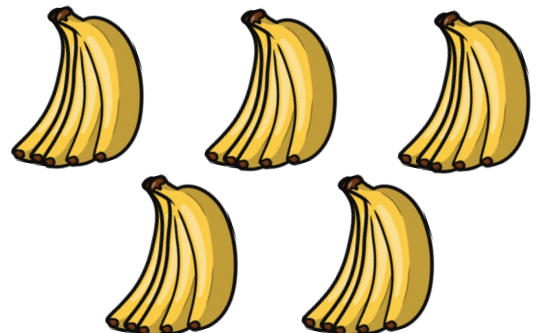
$$10 + 10 + 10 = \begin{array}{|c|c|c|c|} \hline 40 \\ \hline 10 & 10 & 10 & 10 \\ \hline \end{array}$$

True or false?

Explain your answer.



Create a story for the picture below that includes the total.

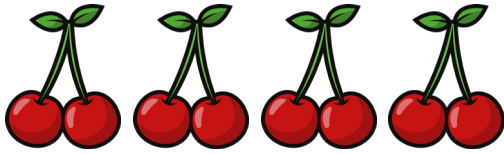


Adding equal groups



Problem solving and reasoning cards:

Che is counting cherries.



$$4 + 2 = 6$$

Can you spot and explain Che's mistake?

Che has added the 4 groups of 2 cherries instead of calculating 4 lots of 2. The answer is 8 not 6.

Beth is making equal groups of doughnuts.



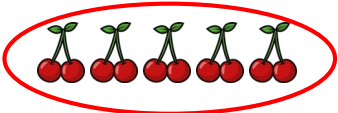
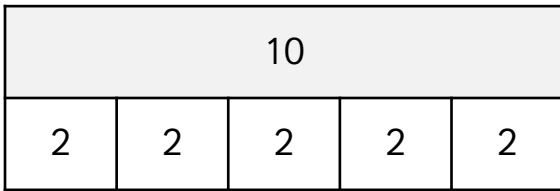
Adding one more group is the same as adding 10 more doughnuts.

Do you agree with Beth?

Explain why?

Beth is correct, one more group is 10 so adding 10 more is adding one group.

Match the bar model to the correct picture. Circle the picture.



Use $<$ or $>$ to compare the repeated additions.

$$5 + 5 > 2 + 2 + 2 + 2$$

$$10 + 10 + 10 > 5 + 5 + 5 + 5 + 5$$

$$2 + 2 + 2 + 2 < 5 + 5 + 5$$

$$10 + 10 < 5 + 5 + 5 + 5 + 5$$

$$5 + 5 + 5 < 10 + 10$$

The repeated addition below is equal to the bar model.

$$10 + 10 + 10 =$$

40			
10	10	10	10

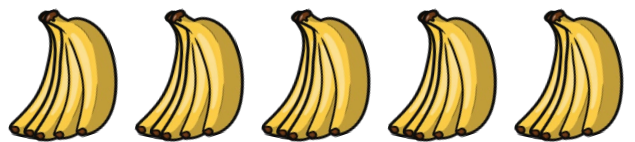
True or false?

Explain your answer.

False, the addition sum shows three lots of 10 which equals 30. The bar model shows four lots of 10 that equals 40.



Create a story for the picture below that includes the total.



Children will create their own story.

For example,

Asha bought 5 bunches of 5 bananas from the shop. She has 25 bananas in total.