

Make equal groups - grouping



20 counters are made into equal groups.

Dom says 4 sets of equal groups can be made and shown using 4 number sentences.

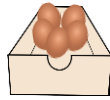
Is Dom correct? Explain your answer.

Rob says he has 4 equal groups. The amount he started with is greater than 13 but less than 25.

Could Rob have 4 equal groups? How many different combinations can you find?

Eggs come in packs of 40.

5 eggs will go in each box.



9 boxes will be needed.

True or false? Explain your answer.



I can make 12 equal groups of 6 from 60.

Is Ben correct?

Explain your answer.

Kat says she has 5 equal groups. The amount she started with is greater than 14 but less than 36.

Could Kat have 5 equal groups?

How many different combinations can you find?

Doughnuts come in packs of 20.

5 doughnuts are put on each tray.

5 trays will be needed.



True or false? Explain your answer.

Tam says,



I can make 3 equal groups from 24?

Is Tam correct? Prove it.

50 counters are made into equal groups.

Sue says five different sets of equal groups can be made.

Is Sue correct? Prove it.

Make equal groups - grouping



20 counters are made into equal groups.

Dom says 4 sets of equal groups can be made and shown using 4 number sentences.

Is Dom correct?

Explain your answer.

Dom is correct.
2 groups of 10.
4 groups of 5.
5 groups of 4.
10 groups of 2.

Rob says he has 4 equal groups.

The amount he started with is greater than 13 but less than 25.

Could Rob have 4 equal groups?

How many different combinations can you find?

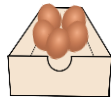
No. Rob can only make 3 equal groups between 13 and 25 as follows:

$24 \div 4 = 6$, $20 \div 4 = 5$, $16 \div 4 = 4$.

Eggs come in packs of 40.

5 eggs will go in each box.

9 boxes will be needed.



True or false? Explain your answer.

False.

Only 8 boxes will be needed as $40 \div 5 = 8$.



I can make 12 equal groups of 6 from 60.

Is Ben correct?

Explain your answer.

Ben is not correct.

10 equal groups of 6 will be made from 60.

Kat says she has 5 equal groups.

The amount she started with is greater than 14 but less than 36.

Could Kat have 5 equal groups?

How many different combinations can you find?

Yes. Kat could have 5 equal groups as follows:

$35 \div 5 = 7$, $30 \div 5 = 6$,

$25 \div 5 = 5$, $20 \div 5 = 4$ and $15 \div 5 = 3$.

Doughnuts come in packs of 20.

5 doughnuts are put on each tray.

5 trays will be needed.



True or false? Explain your answer.

False.

Only 4 trays will be needed as $20 \div 5 = 4$.

Tam says,



I can make 3 equal groups from 24?

Is Tam correct? Prove it.

Tam is correct.

There will be 3 equal groups of 8 as

$24 \div 3 = 8$.

50 counters are made into equal groups.

Sue says five different sets of equal groups can be made.

Is Sue correct? Prove it.

Sue is not correct. She can only make 4 groups as follows: 2 groups of 25, 5 groups of 10, 10 groups of 5 and 25 groups of 2.