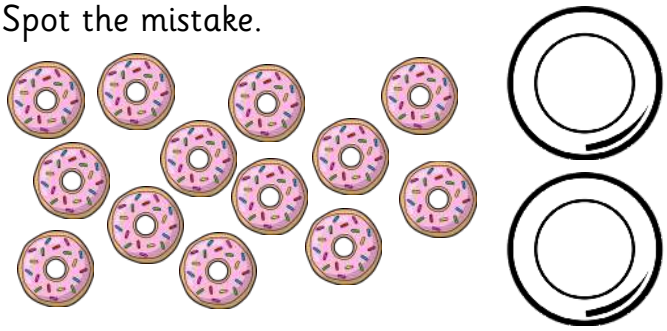
Make equal groups - sharing

Problem solving and reasoning cards:

Spot the mistake.



_____ doughnuts shared equally

between _____ plates.

Explain your answer.

Beth and Mo are sharing seven sweets equally between them.

Beth

There will be a left over sweet.

Mo

All sweets will be shared equally.

Who is correct?
Explain why.

30 shared between 10 equals 3.
30 shared between 5 equals 6.
30 shared between 2 equals 16.

True or false?

Explain how you know.

Make a number story from the pictures.

Work out how many grapes the children had to start with. The amount they have is between 20 and 25.

Che

I shared my grapes between ten bags and had four left over.

Gina

I shared my grapes between two bags and have none left over.

Rob

I shared my grapes between eleven bags and have two left over.

Jess says,

I shared my marbles equally between 12 jars. There were 2 marbles in each jar. I must have had 25 to start with.

Spot the mistake Jess has made.

Explain your answer.

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Make equal groups - sharing

Problem solving and reasoning cards:

Spot the mistake.

6 doughnuts shared equally between 2 plates.

Explain your answer.

There are 13 doughnuts. 13 cannot be equally shared between 2 plates, there would be 1 left over.

Beth and Mo are sharing seven sweets equally between them.

Beth: There will be a left over sweet.

Mo: All sweets will be shared equally.

Who is correct?
Explain why.

Beth is correct as there will be 2 groups of 3 and one sweet left over.

30 shared between 10 equals 3.
30 shared between 5 equals 6.
30 shared between 2 equals 16.

True or false?

Explain how you know.

False, 30 shared between 2 is 15 (not 16).

Make a number story from the pictures.

Possible answer:

Ben has 8 apples.

He shares them equally between two baskets.

There are 4 apples in each basket.

Work out how many grapes the children had to start with. The amount they have is between 20 and 25. 24

Che: I shared my grapes between ten bags and had four left over.

Che = 2 in each of the 10 bags + 4 = 24.

Gina: I shared my grapes between two bags and have none left over.

Gina = 12 in each of the bags = 24.

Rob: I shared my grapes between eleven bags and have two left over.

Rob = 2 in each of the 11 bags + 2 = 24.

Jess says,

I shared my marbles equally between 12 jars. There were 2 marbles in each jar. I must have had 25 to start with.

Spot the mistake Jess has made.

Explain your answer.

Jess must have had 24 to start with as 12 groups of 2 is 24.

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