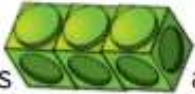


## Reasoning and Problem Solving

One cube  is a quarter, what could the whole look like?

Two cubes  are a quarter, what could the whole look like?

Three cubes  are a quarter, what could the whole look like?

How many different possibilities can you make?

Possible answers:

Any arrangement of 4 cubes.

Any arrangement of 8 cubes.

Any arrangement of 12 cubes.

There are many different possibilities which the children will find through their exploration with the multilink.

Mr. White has asked his class to put one quarter of the balls into the hoop.



Teddy

I'm going to put one ball in the hoop.

I'm going to put three balls in the hoop.



Whitney

I'm going to put four balls into the hoop.



Tommy

Who is correct? Can you explain any mistakes made?

Whitney is correct because one quarter of 12 is 3

Teddy has misinterpreted **one** quarter to just mean one.

Tommy knows that quarters are linked to fours but hasn't split the balls into four equal groups.