Mathematical Reasoning and Problem Solving

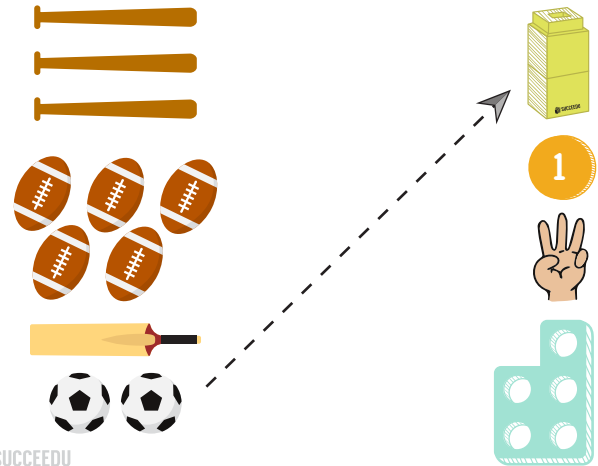**Year 1 Place Value:** Representations of number

Use your understanding of place value to explain your thinking to the problems below

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A) Using counters can you show me 5 sweets?

B) Can you show me 2 blue toys and 1 red toy using cubes.

C) Using things from a pencil case, show me the number 7.

Match the representation to the picture

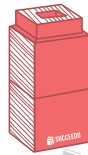
Do the bricks represent the cars?

Who is correct?

Abdul: Yes The cars are red and the bricks are red.

Tristan: No There are 3 cars but only 2 blocks.

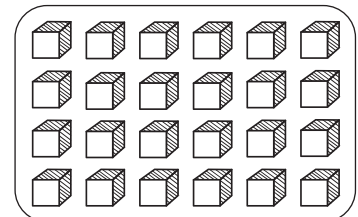**24**

I think both sets of cubes represent 24. Am I correct?

Max

Can I make 56 with the items I have?

Aimee

True or False

The only 2-digit number I can make from these items is 67 ?

Kenzo

Mathematical Reasoning and Problem Solving

Year 1 Place Value: Representations of number

Answers

A) Using counters can you show me 5 sweets?

5 counters of any colour

B) Can you show me 2 blue toys and 1 red toy using cubes.

2 blue cubes and 1 red cube

C) Using things from a pencil case, show me the number 7.

Any 7 items from a pencil case

Match the representation to the picture

Do the bricks represent the cars?

Who is correct?

Abdul: Yes The cars are red and the bricks are red.
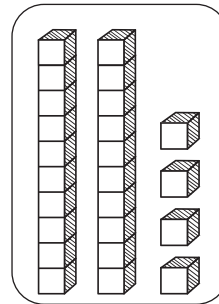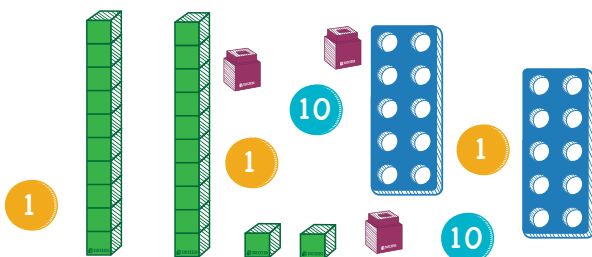
Tristan: No There are 3 cars but only 2 blocks.

Tristan is correct.
The bricks only represent 2.
The colour does not matter

24

Max: I think both sets of cubes represent 24. Am I correct?

Tristan is correct
Both groups represent 24

Aimee: Can I make 56 with the items I have?

Yes, Aimee can make 56 with the items.
Example:

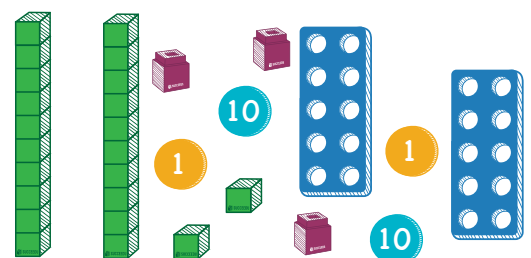**True or False**

Kenzo: The only 2-digit number I can make from these items is 67 ?

False:
It is possible to make other numbers besides 67.
Example: 11, 12, 13, 24, 45, 47...