

## Mathematical Reasoning and Problem Solving

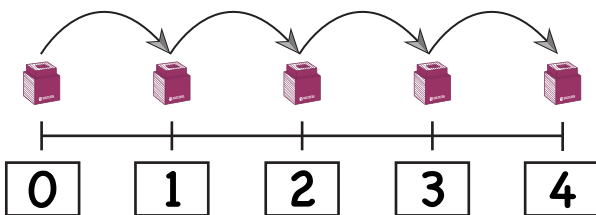
### Year 1 Place Value: Counting objects and numbers up to 100

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



Mali

I have counted 4 cubes  
Am I correct?



SUCCEEDU



Chloe

Chloe is writing out the numbers 20 to 30.  
Can you spot her mistake?

20, 12, 22, 23, 24

SUCCEEDU

Circle the odd one out  
and explain why it is the  
odd one out.

42 43 44 54 46

SUCCEEDU



Jack

I am counting to 30.  
I will start counting  
from 22

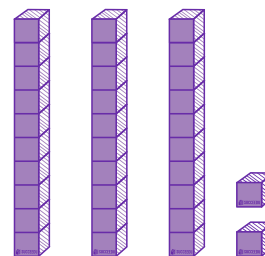
What numbers  
will Jack say?

SUCCEEDU

Correct the following sequences

- a) 25, 26, 28, 29, 30
- b) 70, 71, 72, 71, 70
- c) 84, 83, 82, 81, 79

SUCCEEDU



Can you explain  
what Kenzo has done  
wrong?

I have added the  
bricks  
 $3 + 2 = 5$



Kenzo

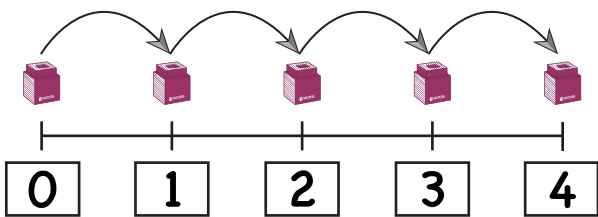
SUCCEEDU

## Mathematical Reasoning and Problem Solving

### Year 1 Place Value: Counting objects and numbers up to 100

#### Answers

Mali is incorrect.  
She has placed a cube on zero  
and not counted it.  
There are 5 cubes not 4



Chloe has written 12 instead  
of 21.  
She has written the tens and ones  
the wrong way round

20, 12, 22, 23, 24

The odd one out is 54.  
The numbers are going up by 1.  
From 44 to 54, the number  
has gone up by 10

42 43 44 54 46



Jack

I am counting to 30.  
I will start counting  
from 22

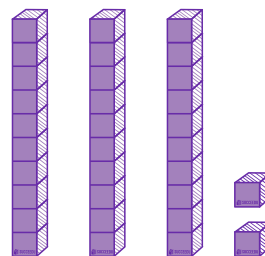
Jack will say  
23, 24, 25, 26, 27, 28 and 29

Correct the following sequences

a) 25, 26, 27, 28, 29, 30

b) 70, 71, 72, 73, 74

c) 84, 83, 82, 81, 80



Can you explain  
what Kenzo has done  
wrong?

Kenzo has counted the sticks of 10  
as 1's. There are 5 pieces but the sticks  
have a value of 10.

The actual amount is  
 $10 + 10 + 10 + 2 = 32$