

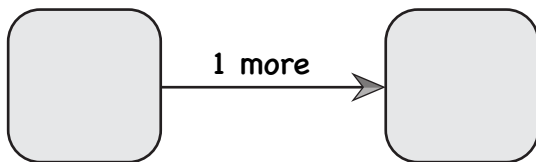
Mathematical Reasoning and Problem Solving

Year 1 Place Value: Counting 1 more and 1 less

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

6 4 8 7 5

Which numbers could fit in the squares below?
How many possible answers?



Aimee

I have 1 less than 15.
I have the biggest number.



Tristan

I have 1 more than 14.
I have the biggest number.

Who is correct?

SUCCEEDU

SUCCEEDU



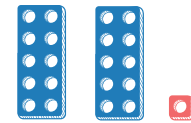
Jack

My brother is in the year above me at school.
My sister is in the year below me at school.
My brother is in Year 3.

What school year does Jack belong to?
What school year is Jack's sister?

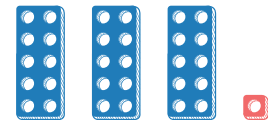
SUCCEEDU

Mali has made the number below



Mali

I am going to find 1 more



Has Mali done this correctly?
Explain your thinking

SUCCEEDU

One more than 24 is the same as one less than 26

Is this correct?
Prove it.

SUCCEEDU

SUCCEEDU



Abdul

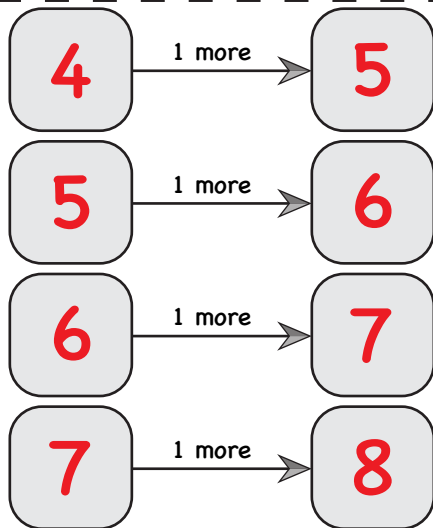
I am thinking of a number.
I count 1 more, and I count 1 more again. Then I count 1 less. I finish on the number 16.

What number did Abdul start with?

Mathematical Reasoning and Problem Solving

Year 1 Place Value: Counting 1 more and 1 less

Answers



SUCCEEDU



Aimee

I have 1 less than 15.
I have the biggest number.

Aimee
 $15 - 1 = 14$



Tristan

I have 1 more than 14.
I have the biggest number.

Tristan
 $14 + 1 = 15$

Tristan is correct.
He has the biggest number

SUCCEEDU



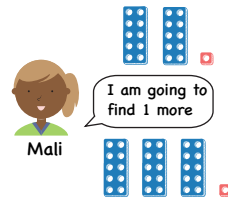
Jack

My brother is in the year above me at school.
My sister is in the year below me at school.
My brother is in Year 3.

Jack belongs in Year 2
Jack's sister is in Year 1

SUCCEEDU

Mali has made the number below



Mali

Mali is incorrect. To start she has 21
She has added one 10 to make 31.
Instead, she should have added one more 1 to make 22.

SUCCEEDU

One more than 24 is the same as one less than 26

$$24 + 1 = 25$$

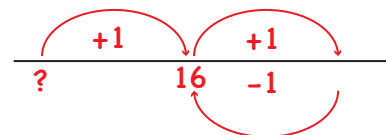
$$26 - 1 = 25$$

The statement is correct

SUCCEEDU

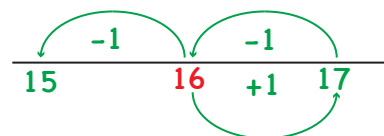
What number did Abdul start with?

$$? + 1 + 1 - 1 = 16$$



To find the starting number, we start from 16 and work backwards.

$$16 + 1 - 1 - 1 = 15$$



SUCCEEDU