

Mathematical Reasoning and Problem Solving

A

Year 2 Place Value: Comparing Numbers

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

Aimee is thinking of a number.



Aimee

It is more than 25 but less than 30.

What number could she thinking of?

Use the numbers below to make a 2-digit number that will fit into the statement.

2 3 5

is less than 48

SUCCEEDU

SUCCEEDU

Match the statements.

SUCCEEDU

Is greater than 34

31

Is less than 40 but more than 31

40

Is smaller than 36

33



Mali

The number I am thinking of is greater than 77. It is smaller than 84. It has 9 ones.

What number is Mali thinking of?

SUCCEEDU

Use the numbers below to make a 2-digit number that will fit into the statement.

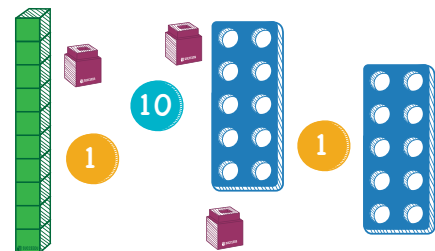
1 3 5 2

is more than 32



Abdul

The amount below is less than 36



Is Abdul correct? Explain your thinking.

SUCCEEDU

SUCCEEDU

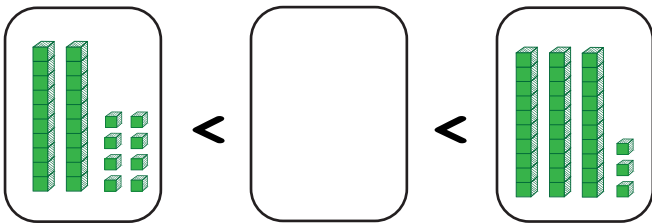
Mathematical Reasoning and Problem Solving

B

Year 2 Place Value: Comparing Numbers

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

Find 4 different numbers that would fit in the missing space.



Tristan

Tristan is comparing two values.

$$64 = 4 \text{ tens and } 6 \text{ ones}$$

Change either side to make it correct

SUCCEEDU

SUCCEEDU

Complete the place value charts to make the statement true.

Tens	Ones
3	

 $>$

Tens	Ones
	2



Max

I have compared four numbers.

$$67 > 77 > 87 > 97$$

Find all possible answers.

SUCCEEDU

What is Max's mistake?

SUCCEEDU



Chloe

My number is smaller than 35.

$$31 < \square$$

What could Chloe's number be?

SUCCEEDU

Match the statements.

SUCCEEDU

> 72

31

< 80

81

Is more than 70 but less than 73

71

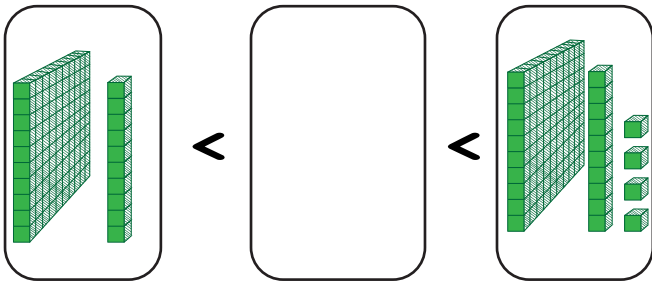
Mathematical Reasoning and Problem Solving

C

Year 2 Place Value: Comparing Numbers

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

Find all the numbers that complete the statement.



Tristan

Tristan is comparing two values.

$$234 = \begin{matrix} 4 \text{ hundreds} \\ 3 \text{ tens and} \\ 2 \text{ ones} \end{matrix}$$

Change either side to make it correct

SUCCEEDU

SUCCEEDU

Complete the place value charts to make the statement true.

H	T	O
		3

 $<$

H	T	O
	1	3



Max

I have compared four numbers.

$$123 > 110 < 87 < 97$$

Find 4 possible answers

What is Max's mistake?

SUCCEEDU

SUCCEEDU



Chloe

My number is a 3-digit number. It has 3 tens and 4 ones.

$$231 < \square$$

What could Chloe's number be?

Match the statements.

< 150

153

> 142

130

Is less than 160 but more than 150

147

SUCCEEDU

SUCCEEDU

Mathematical Reasoning and Problem Solving

A

Year 2 Place Value: Comparing Numbers

Answers

Aimee is thinking of a number.



Aimee

It is more than 25 but less than 30.

26
27
28
29

SUCCEEDU

Use the numbers below to make a 2-digit number that will fit into the statement.

2 3 5

25 32 35

23 is less than 48

SUCCEEDU

Match the statements.

SUCCEEDU

Is greater than 34

31

Is less than 40 but more than 31

40

Is smaller than 36

33



Mali

The number I am thinking of is greater than 77. It is smaller than 84. It has 9 ones.

She is thinking of 79

SUCCEEDU

Use the numbers below to make a 2-digit number that will fit into the statement.

1 3 5 2

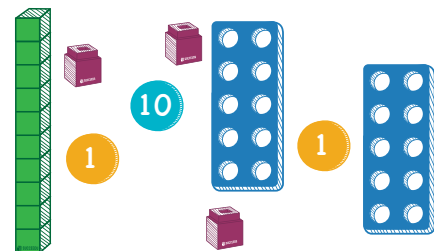
35 is more than 32
51 52 53

SUCCEEDU



Abdul

The amount below is less than 36



Abdul is incorrect. The total is 46. The amount is less than 47

SUCCEEDU

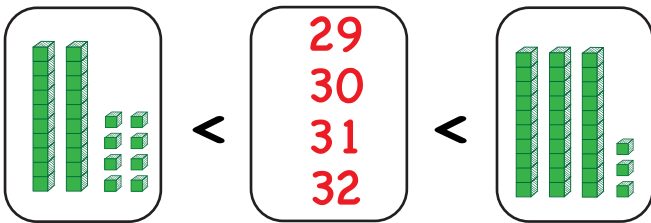
Mathematical Reasoning and Problem Solving

B

Year 2 Place Value: Comparing Numbers

Answers

Find 4 different numbers that would fit in the missing space.



Tristan

Tristan is comparing two values.

$$64 = 4 \text{ tens and } 6 \text{ ones}$$

$$64 = 6 \text{ tens and } 4 \text{ ones}$$

or

$$46 = 4 \text{ tens and } 6 \text{ ones}$$

SUCCEEDU

SUCCEEDU

Complete the place value charts to make the statement true.

27 possible answers

- | | | |
|---------|---------|---------|
| 30 > 12 | 34 > 12 | 37 > 12 |
| 30 > 22 | 34 > 22 | 37 > 22 |
| 31 > 12 | 34 > 32 | 37 > 32 |
| 31 > 22 | 35 > 12 | 38 > 12 |
| 32 > 12 | 35 > 22 | 38 > 22 |
| 32 > 22 | 35 > 32 | 38 > 32 |
| 33 > 12 | 36 > 12 | 39 > 12 |
| 33 > 22 | 36 > 22 | 39 > 22 |
| 33 > 32 | 36 > 32 | 39 > 32 |



Max

I have compared four numbers.

$$67 > 77 > 87 > 97$$

Max has used the incorrect symbol >
He should have used <

$$67 < 77 < 87 < 97$$

SUCCEEDU

SUCCEEDU



Chloe

My number is smaller than 35.

$$31 < 32$$

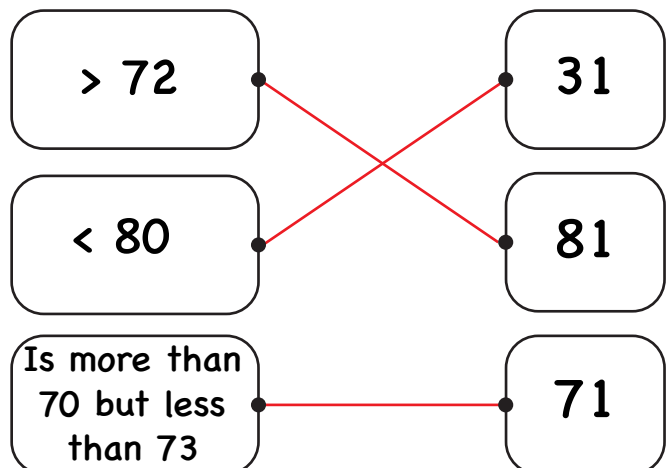
$$31 < 33$$

$$31 < 34$$

SUCCEEDU

Match the statements.

SUCCEEDU



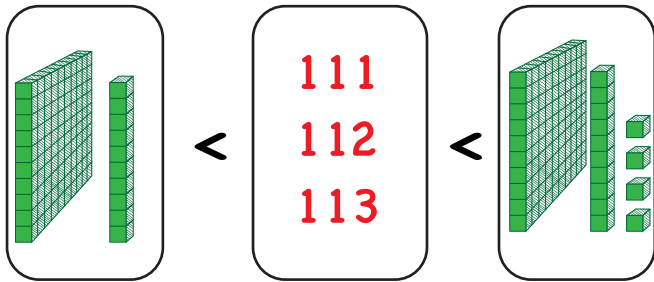
Mathematical Reasoning and Problem Solving

C

Year 2 Place Value: Comparing Numbers

Answers

Find all the numbers that complete the statement.



$234 =$

4 hundreds
3 tens and
2 ones

$234 = 2 \text{ hundreds}$
 3 tens
 4 ones

or

$432 = 4 \text{ hundreds}$
 3 tens
 2 ones

SUCCEEDU

SUCCEEDU

Complete the place value charts to make the statement true.

Find 4 possible answers

- $103 < 113$
- $103 < 213$
- $203 < 213$
- $203 < 313$



Max

I have compared four numbers.

$123 > 110 < 87 < 97$

$123 > 110 > 87 < 97$

SUCCEEDU

SUCCEEDU



Chloe

My number is a 3-digit number. It has 3 tens and 4 ones.

$231 < 234$

What could Chloe's number be?

Match the statements.

< 150

153

> 142

130

Is less than 160 but more than 150

147

SUCCEEDU

SUCCEEDU