

Mathematical Reasoning and Problem Solving

A

Year 4 Place Value: Comparing 4-digit numbers

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

1. The numbers in the list are in order from smallest to largest.
Which numbers could fit in the empty spaces?

2,232	2,352		2,654	2,701
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4,241		5,132		6,138
-------	--	-------	--	-------

SUCCEEDU

2. Below is the distance away from school that each child lives.
Who lives closest to school?



Paul
2,354 metres



Debbie
4,543 metres



Halima
1,632 metres



Kenzo
3,482 metres

1st

2nd

3rd

4th

SUCCEEDU

3. Aimee and Max put these numbers in descending order.



Max

6,422	6,544	6,575	6,861	7,010
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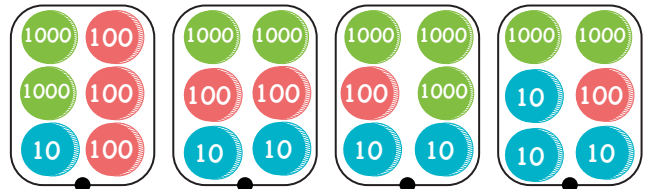
Aimee

5,752	5,489	5,321	4,366	4,100
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Who is correct?

SUCCEEDU

4. Use an arrow to place the items below in order

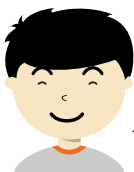


smallest

largest

SUCCEEDU

5. 4 thousand plus 11 hundreds is the same as 51 hundreds.



Kenzo

Is Kenzo correct.

Explain your thinking.

SUCCEEDU

6. Add a digit in each box to make the numbers in ascending order.

,238

2,28

2,16

SUCCEEDU

Year 4 Place Value: Comparing 5-digit numbers

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

1. The numbers in the list are in order from smallest to largest.
Which numbers could fit in the empty spaces?

44,510	44,670		45,520	46,890
--------	--------	--	--------	--------

82,101		82,108		83,100
--------	--	--------	--	--------

SUCCEEDU

2. Below is the number of metre away from school that each child lives.

Who lives closest to school?



Paul

15,450 metres



Debbie

23,120 metres



Halima

15,540 metres



Kenzo

23,450 metres

1st

2nd

3rd

4th

SUCCEEDU

3. Aimee and Max put these numbers in ascending order.



Max

34,670	34,780	34,890	34,950	34,980
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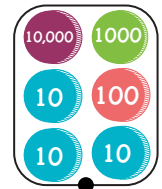
Aimee

25,870	25,850	25,810	25,790	25,760
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Who is correct?

SUCCEEDU

4. Use an arrow to place the items below in order



smallest

largest

SUCCEEDU

5. Kenzo says: 6 ten thousand plus 11 thousands is the same as 71 thousand.



Kenzo

Is Kenzo correct.

Explain your thinking.

SUCCEEDU

6. Add a digit in each box to make the numbers in ascending order.

1,238

21, 48

21,5 8

SUCCEEDU

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A

Year 4 Place Value: Comparing 4-digit numbers

Answers

1. The numbers in the list are in order from smallest to largest.
Which numbers could fit in the empty spaces?

Possible answers

2,232	2,352	2,420	2,654	2,701
-------	-------	-------	-------	-------

4,241	4,400	5,132	5,300	6,138
-------	-------	-------	-------	-------

2. Below is the distance away from school that each child lives.
Who lives closest to school?



Paul
2,354 metres

Halima

1st



Debbie
4,543 metres

Paul

2nd



Halima
1,632 metres

Kenzo

3rd

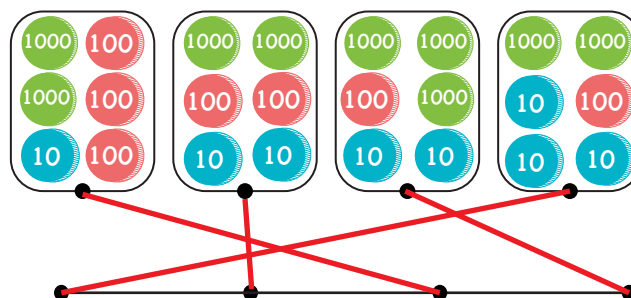


Kenzo
3,482 metres

Debbie

4th

4. Use an arrow to place the items below in order



smallest largest

3. Aimee and Max put these numbers in descending order.



Max

6,422	6,544	6,575	6,861	7,010
-------	-------	-------	-------	-------



Aimee

5,752	5,489	5,321	4,366	4,100
-------	-------	-------	-------	-------

Who is correct?

Aimee is correct. Her numbers are in descending order (largest to smallest)

6. Add a digit in each box to make the numbers in ascending order.

Possible answer

1,238	2,218	2,316
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Ascending order - smallest to largest

5. Kenzo is correct. Explain your thinking.



Kenzo

4 thousand plus 11 hundreds is the same as 51 hundreds.

Kenzo is correct

4 thousand plus 11 hundreds = $4,000 + 1,100 = 5,100$
51 hundreds = 5,100

Year 4 Place Value: Comparing 5-digit numbers

Answers

1. The numbers in the list are in order from smallest to largest.
Which numbers could fit in the empty spaces?

Possible answers

44,510	44,670	44,680	45,520	46,890
--------	--------	--------	--------	--------

82,101	82,105	82,108	82,200	83,100
--------	--------	--------	--------	--------

2. Below is the number of metre away from school that each child lives.

Who lives closest to school?



Paul

15,450 metres

Paul

1st



Debbie

23,120 metres

Halima

2nd



Halima

15,540 metres

Debbie

3rd



Kenzo

23,450 metres

Kenzo

4th

3. Aimee and Max put these numbers in ascending order.



Max

34,670	34,780	34,890	34,950	34,980
--------	--------	--------	--------	--------



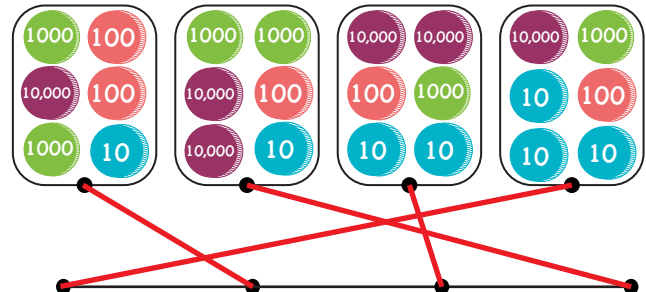
Aimee

25,870	25,850	25,810	25,790	25,760
--------	--------	--------	--------	--------

Who is correct?

Max is correct. His numbers are in ascending order (smallest to largest)

4. Use an arrow to place the items below in order



smallest

largest

5. 6 ten thousand plus 11 thousands is the same as 71 thousand.



Kenzo

Is Kenzo correct.
Explain your thinking.

Kenzo is correct
6 ten thousand plus 11 thousands
= 60,000 + 11,000 = 71,000
71 thousand = 71,000

6. Add a digit in each box to make the numbers in ascending order.

Possible answer

1	1,238	21, 1 48	21,5 1 8
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