

Number and Place Value Warm-Up



Number and Place Value Warm-Up

Missing Number Sequences

Can you work out the missing numbers?

- 6, __, 18, 24, __, __, 42, __, __, __, __, __.
- __, __, __, 28, 35, __, __, __, __, 70, __, __.
- __, 18, __, __, __, __, 63, 72, __, __, __, __.
- 25, 50, __, __, __, __, __, __, __.
- __, __, __, __, 8000, 9000, __, __, __, __.

Number and Place Value Warm-Up

Finding 1000 More or Less than a Given Number

- 2337 is 1000 more than _____.
- 3199 is 1000 less than _____.
- 4371 is 1000 more than _____.
- 5508 is 1000 less than _____.
- _____ is 1000 more than 6156
- _____ is 1000 less than 7898
- _____ is 1000 less than 8940
- _____ is 1000 more than 7899

Number and Place Value Warm-Up

Count Backwards through Zero to Include Negative Numbers

Can you work out the missing numbers?

- 3, 2, 1, 0, -1, __, -3, __, __, __.
- 20, 10, __, __, -20.
- 8, 2, __, __, __.
- 21, 14, __, 0, __, __, __, -35.
- 13, 4, __, __, __.

Number and Place Value Warm-Up

Recognise the Place Value of Each Digit in a Four-Digit Number

Write down the value of the underlined digit within each number.

9873

2711

5803

7732

3101

6391

1388

4209

8502

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Number and Place Value Warm-Up

Place Value Reasoning Challenge

1. Which is greater – 3064 or 3036?
Convince me that your answer is correct.
2. Which is smaller – 4568 or 4378?
Convince me that your answer is correct.
3. Which is larger - 5839 or 6839?
Convince me that your answer is correct.

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Number and Place Value Warm-Up

Compare Numbers Beyond 1000

Look at this example: $1577 < 1755$

The symbol tells us that 1755 is greater than 1577.

Now write the correct sign (< >) for each set of numbers.

3330 3303

6921 5341

4999 4909

7019 7090

5331 4909

8006 8060

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Number and Place Value Warm-Up

Comparing Numbers Reasoning Challenge

Convince me that I've made a mistake.

2887 < 2557

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Number and Place Value Warm-Up

Order Numbers Beyond 1000

Order these numbers from smallest to largest.

What is the best way to start ordering numbers?

6550

6534

6641

5646

7506

6605

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Order Numbers Beyond 1000

Order these numbers from greatest to smallest.

8709

8899

8919

8599

8891

8198

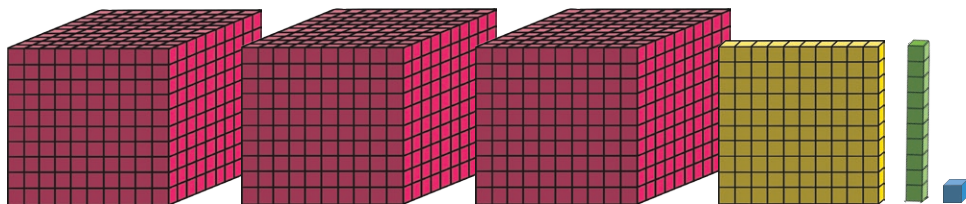
8909

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Number and Place Value Warm-Up

Identify Numbers

What number is represented below?

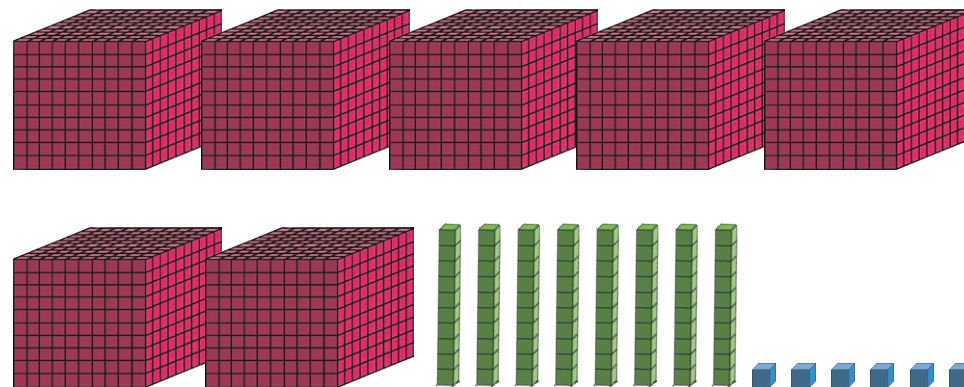


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Number and Place Value Warm-Up

Identify Numbers

What number is represented below?

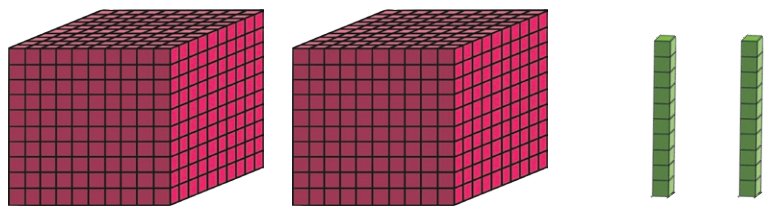


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Number and Place Value Warm-Up

Identify Numbers

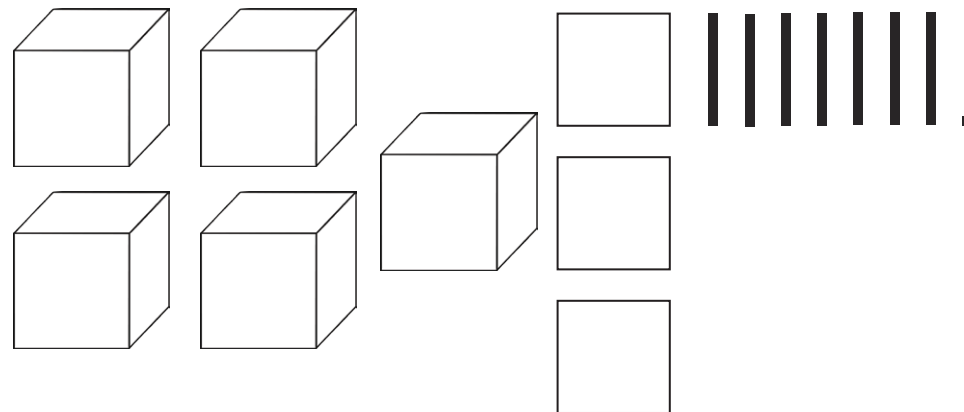
What number is represented below?



Number and Place Value Warm-Up

Identify Numbers

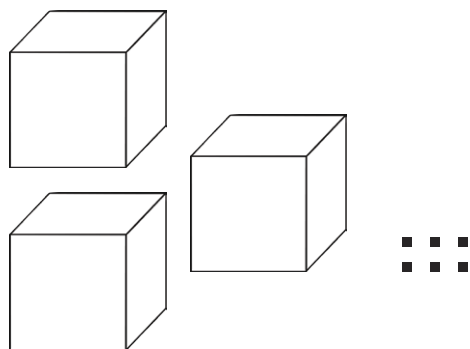
What number is represented here?



Number and Place Value Warm-Up

Identify Numbers

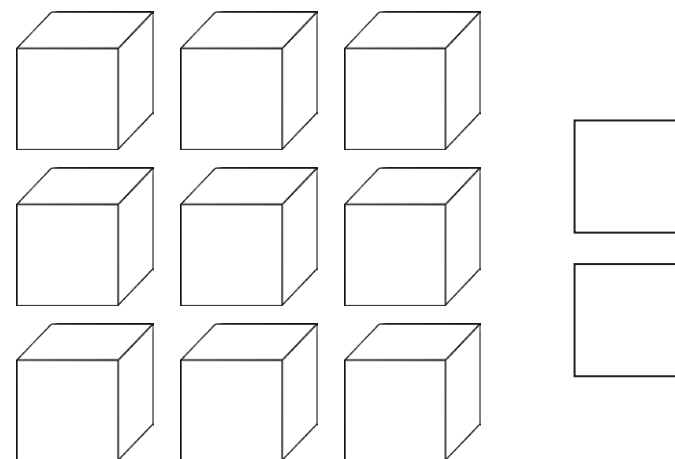
What number is represented here?



Number and Place Value Warm-Up

Identify Numbers

What number is represented here?



Number and Place Value Warm-Up

Representing Numbers Using Base 10

Use Base 10 drawings to represent the following numbers:

1038

2115

3516

4388

5402

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Number and Place Value Warm-Up

Estimating Numbers

Estimate the number.



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Number and Place Value Warm-Up

Estimating Numbers

Estimate the number.



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Number and Place Value Warm-Up

Estimating Numbers

Estimate the number.



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Number and Place Value Warm-Up

Estimating Numbers

Estimate the number.

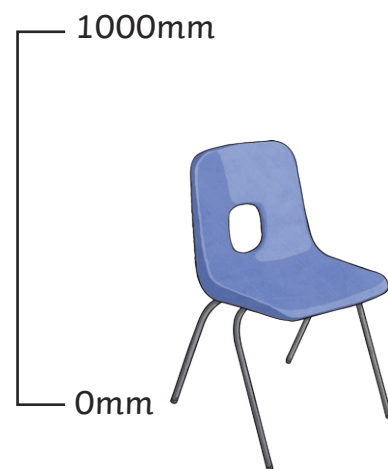


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Estimating Measures

Estimate the height of the chair.



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Estimating Measures

Estimate the width of the bag.



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Estimating Measures

Estimate how many millilitres of water remain in these 5 litre bottles.



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Number and Place Value Warm-Up

Rounding Numbers

Round these numbers to the nearest 10, 100 and 1000.

	Round to nearest 10	Round to nearest 100	Round to nearest 1000
1307			
2547			
4683			
5889			
7056			

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Number and Place Value Warm-Up

Solve Number and Practical Problems

I have these digits:

8 1 3 9

The smallest number I can make with these digits is:

3198

Am I right?

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Number and Place Value Warm-Up

Solve Number and Practical Problems

Put the family holiday packages in order from cheapest to most expensive.

Jamaica £2206.93	Mexico £2106.93	Canada £2194.60
Denmark £2196.78	Italy £2134.60	

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Number and Place Value Warm-Up

Solve Number and Practical Problems

There are 6 eggs in every box. I need 45 eggs.
How many boxes shall I buy?

I need 33 pens for my class. Pens come in packs of 7.
How many packs will I need to buy?

There are 9 oranges in every bag. I need 60 altogether.
How many bags will I need to buy?

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Reading Roman Numerals

Which numbers do these Roman numerals relate to?

I	V	X
1	5	10

VIII =

XIX =

XXIV =

Reading Roman Numerals

Which numbers do these Roman numerals relate to?

L	C	D	M
50	100	500	1000

XLIV =

XCV =

XXIX =

LVI =

LXXIII =

XXXVIII =

Answers

Missing Number Sequences

1. 6, **12**, 18, 24, **30, 36**, 42, **48, 54, 60, 66**, 72
2. **7, 14, 21**, 28, 35, **42, 49, 56, 63**, 70, **77, 84**
3. **9**, 18, **27, 36, 45, 54**, 63, 72, **81, 90, 99, 108**
4. 25, 50, **75, 100, 125, 150, 175, 200, 225**
5. **4000, 5000, 6000, 7000**, 8000, 9000, **10 000, 11 000, 12 000, 13 000.**

Finding 1000 More or Less Than a Given Number

1. 1337
2. 4199
3. 3371
4. 6508
5. 7156
6. 6898
7. 7940
8. 8899

Count Backwards Through Zero to Include Negative Numbers

1. 3, 2, 1, 0, **-1, -2, -3, -4, -5, -6**
2. 20, 10, **0, -10, -20**
3. 8, 2, **-4, -10, -16**
4. 21, 14, **7, 0, -7, -14, -21, -35**
5. 13, 4, **-5, -14, -23**

Recognise the Place Value of Each Digit in a Four Digit Number

8 hundreds

2 thousands

5 thousands

3 tens

Zero tens

1 one

3 hundreds

9 ones

2 ones

Place Value Reasoning Challenge

1. 3064 is greater because having 6 tens is more than having 3 tens.
2. 4378 is smaller because having 3 hundreds is less than having 5 hundreds
3. 6839 is larger because 6 thousand is more than 5 thousand.

Compare Numbers Beyond 1000

$330 \leq 3303$

$4999 \geq 4909$

$5331 \geq 4909$

$6921 \geq 5341$

$7019 \leq 7090$

Comparing Numbers Reasoning Challenge

$2887 \leq 2557$

This is incorrect because 2887 has 8 hundreds compared to 2557 having 5 hundreds

Order Numbers Beyond 1000

Smallest to largest

5646, 6534, 6550, 6605, 6641, 7506

Look at the numbers left to right. In this case, look at the thousands, then the hundreds, then the tens and then the ones.

Identify Numbers

Card 1: 3111

Card 5: 3006

Card 9: 5402

Card 2: 7086

Card 6: 9200

Card 10: 2115

Card 3: 2020

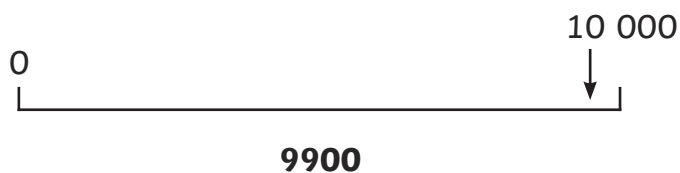
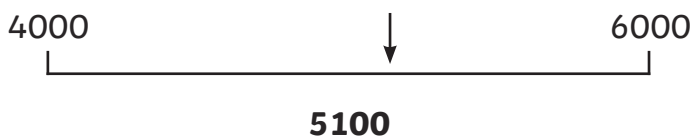
Card 7: 1038

Card 11: 4388

Card 4: 5371

Card 8: 3516

Estimating Numbers



Estimating Measures

Book bag approximately 450mm

Chair approximately 600mm

Estimating Measures

Book bag approximately 450mm

Chair approximately 600mm



4000ml

2500ml

Rounding Numbers

	Round to the nearest 10	Round to the nearest 100	Round to the nearest 1000
1307	1300	1300	1000
2547	2550	2600	3000
4683	4680	4700	5000
5889	5890	5900	6000
7056	7060	7000	7000

Solve Number and Practical Problems

Smallest number is 1389

Solve Number and Practical Problems

Ordering prices from the cheapest to the most expensive

Mexico £2106.93	Italy £2134.60	Canada £2194.60	Denmark £2196.78	Jamaica £2206.93
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Solve Number and Practical Problems

8 boxes

5 packs of pencils

7 bags of oranges

Reading Roman Numerals

VIII = 8

XIX = 19

XXIV = 24

Reading Roman Numerals

XLIV = 64

XCV = 95

XXIX = 29

LVI = 56

LXXIII = 73

XXXVIII = 38