MATH

Comparing and ordering large numbers

Name _____ Date _____

I can compare and order numbers to a million.

1 How it works

To compare, line the numbers up by place. A number with more digits is greater. If they have the same number of digits, compare from the left: the first place where the digits differ decides. 45,812 > 45,281 because 8 hundreds is more than 2 hundreds.

45,281 45,812

Same ten thousands and thousands.

Hundreds: 2 < 8, so 45,281 < 45,812

2 Write >, < or =

Line up the places. Compare from the left.

1,046	◯	1,046	66,177	◯	61,174
118,109	◯	105,547	73,496	◯	73,496
783,598	◯	783,598	81,007	◯	81,008
70,063	◯	70,063	13,122	◯	13,123
91,008	◯	91,008	38,303	◯	66,235
709,197	◯	416,612	85,341	◯	94,014

How did I do? ☆ ☆ ☆

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Practice

Name _____ Date _____

I can order large numbers.

1 Write from least to greatest

11,750 11,760 11,747 9,750

4,547 4,517 4,747 4,546

215,166 217,166 219,166 217,163

196,869 216,669 196,669 166,669

2 Greatest and least

Use each digit once.

Digits 1, 8, 9, 4, 2: greatest _____ least _____

Digits 3, 9, 2, 4, 7: greatest _____ least _____

How did I do? ☆ ☆ ☆

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Think deeper

Name _____ Date _____

I can explain my thinking about place value.

1 Write a digit to make it true

There may be more than one answer.

80,□67	> 80,167	74,8□7	> 74,827
4□,317	> 44,317	10,2□2	> 10,252
40,5□4	< 40,514	27,1□0	< 27,150
61,2□9	< 61,269	42,□82	< 42,482

2 Think about it

1. Which place do you compare first?
2. Is a 5-digit number always bigger than a 4-digit number?
3. What is 1 less than 10,000?

How did I do? ☆ ☆ ☆

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Word problems

Name _____ Date _____

I can use place value to solve problems.

1 Read, think, answer

Use a place value chart if it helps.

1 Aisha's car has 45,612 miles. Omar's car has 45,216 miles. Whose car has more miles?

Answer:

2 Town A has 8,099 people and Town B has 8,900. Which town is bigger?

Answer:

3 Use the digits 3, 8, 1, 6 once each. Make the greatest and the least number.

Answer:

4 Order these scores from greatest to least: 12,450, 12,540, 12,405.

Answer:

How did I do? ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

Answer key: comparing and ordering large numbers

1 Page 1

Compare: 1) =; 2) >; 3) >; 4) =; 5) =; 6) <; 7) =; 8) <; 9) =; 10) <; 11) >; 12) <.

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Order: 1) 9,750, 11,747, 11,750, 11,760; 2) 4,517, 4,546, 4,547, 4,747; 3) 215,166, 217,163, 217,166, 219,166; 4) 166,669, 196,669, 196,869, 216,669.

Greatest and least: 1) 98,421 and 12,489; 2) 97,432 and 23,479.

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Digits: 1) 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9; 2) 3 or 4 or 5 or 6 or 7 or 8 or 9; 3) 5 or 6 or 7 or 8 or 9; 4) 6 or 7 or 8 or 9; 5) 0; 6) 0 or 1 or 2 or 3 or 4; 7) 0 or 1 or 2 or 3 or 4 or 5; 8) 0 or 1 or 2 or 3.

Think: 1) The biggest place; 2) Yes (for whole numbers); 3) 9,999.

4 Page 4: word problems

1) Aisha's (45,612 > 45,216)

2) Town B (8,900 > 8,099)

3) 8,631 and 1,368

4) 12,540, 12,450, 12,405

5 Teaching tip

Have children write the two numbers one above the other in a place value chart. Lining up the digits makes the first difference jump out.

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