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Place Value Through Hundred Thousands

Write each number in three other ways.

267 thousand, 613

Word form: two hundred sixty-seven thousand, six hundred and thirteen.

Expanded form: 200,000 + 60,000 + 7,00 + 600 + 10 + 3

Standard form: 267, 613

425,718

700,00 + 60,000 + 1,000 + 200 +30 + 5

Write the value of the coloured digit.

87,538

66,424

815,632

Find each missing number.

Think

What is the value of the digit in the hundred thousands place in the number 129,563?

How Big Is One Million?

Use the chart to answer the following questions.

_			
	1 x1,000,000 = 1,000,000	→	1 time 1 million = 1 million
	10 x 100,000 =1,000,000		10 times 1 hundred thousand = 1 million
	100 x 10,000 = 1,000,000		100 times 10 thousand = 1 million
	1,000 x 1,000 = 1,000,000		1,000 times 1 thousand = 1 million
	10,000 x 100 = 1,000,000	-	10,000 times 1 hundred = 1 million
	100,000 x 10 = 1,000,000	-	100,000 times ten = 1 million
	1,000,000 x1 = 1 000,000		1,000,000 times 1 = 1 million
_			

How many tens are in 1,000,000 ?

Chart shows 100,000 times ten = 1 million.

There are 100,000 tens in 1,000,000.

How many ones are there in 1,000,000?

How many hundred thousands are in 1,000,000? -

How many thousands are there in 1,000,000?

Use the chart to complete these problems.



Place Value Through Hundred Millions

Here are four ways to write the same number.

Standard form: 425, 451, 760

Word form: four hundred twenty-five million, four hundred

fifty one thousand, seven hundred and sixty.

Short word form: 425 million, 541 thousand, 670

Expanded form: 400,000,000 + 20,000,000 + 5,000,000 + 400,000

+ 50,000 + 1,000 + 700 + 60

Write each number in word form and short word form.

713, 584, 256

100,000,000 + 8,000,000 + 300,000 + 800 + 40

Write the number in standard form and expanded form.

622 million, 852 thousand, 400

Think

Write two 8-digit numbers that have a 4 in the millions place, a 6 in ten thousands place, and a 9 in the ones place.



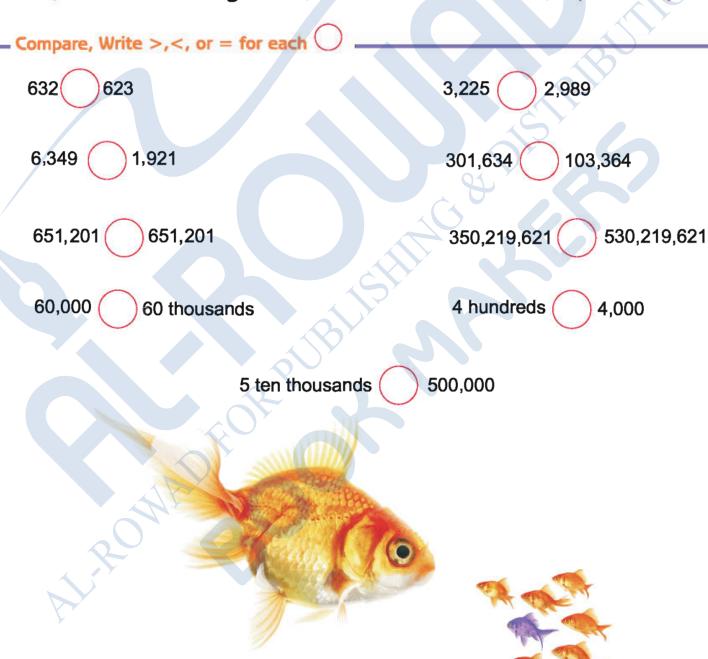
Compare Numbers

Compare 52,461 and 52,820

Use a number line.



52,820 comes to the right of 52,461 on the number line. So, 52,461 < 52,820.





Order Numbers

Order these numbers from least to greatest.

76,251 74,420 75,429

Line up the digits by place value.

74,420

75,429

76,251

Compare the digits that are different.

6 is the greatest digit, so 76,251 the greatest number.

Now, Compare the other two number.

74,420

75,429

4 < 5 so 74,420 is smaller.

So the order of the numbers from least to greatest is:

74,420 75,429 76,251

Write the numbers in order from least to greatest.

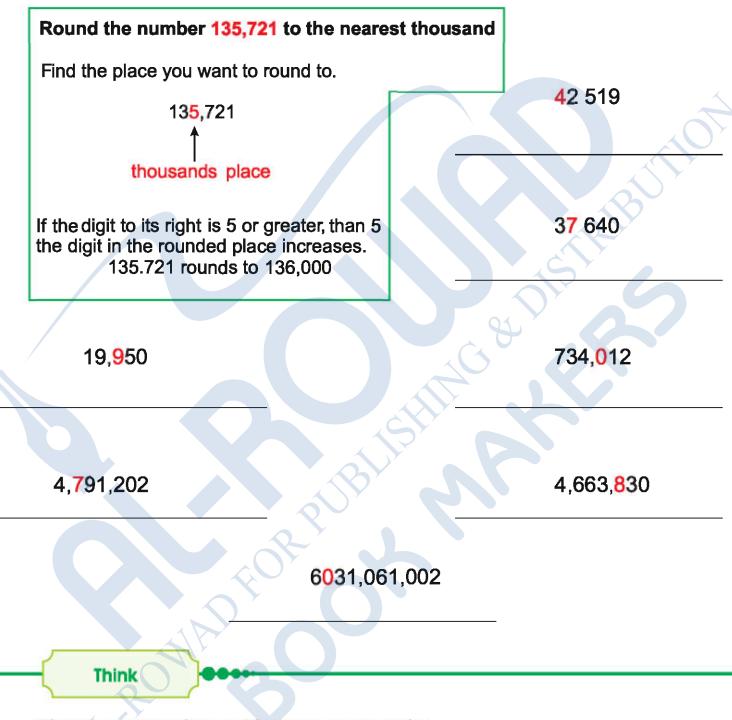
6,200 2,060 6,002 10,177 11,651 9,364

Write the numbers in order from greatest to least.

13,426 13,326 13,226 37,115 37,151 36,864

ROUND Numbers

Round each number to the place of the coloured digit.



Ali drove 2,769 miles on his cross country trip.

He rounded that number to 2,800 miles when
he spoke of the trip. To which place was the number rounded?





Addition Properties

The commutative Property: When you change the order of the addends, the sum stays the same.

$$32 + 67 = 67 + 32$$

 $99 = 99$

Associative Property: When three or more numbers are added ____ th sum is the same regardless of the order of the of the addends

$$(18+14) + 25 = (18+25) + 14 = 18 + (25+14)$$

 $32 + 25 = 43 + 14 = 18 + 39$
 $57 = 57 = 57$

The way you group the addends doesn't matter.

The zero Property: The zero added to any number is the same as the original number.

$$850 + 0 = 850$$

Copy and complete each number sentences. Tell which property of addition you used.

$$(27+18)+13=27+$$

Use the Associative Property to help you find each sum mentally-

Think

On Tuesday Qusim picked 26 apples of a tree. On Wednesday, he picked 15 apples of the tree. On Thursday, he picked the remaining 9 apples of the tree. How many apples were on the tree?

Estimate sums and Differences

Round each number to the nearest hundred. Then estimate.

620 - 250

750 + 238

750 rounds to 800

238 rounds to 200

750 + 238 is about 1000

5,264 + 2,613

941 - 502

3,449 5,287

833 +121

Round each number to the nearest ten. Then estimate.

61,358 + <u>9,513</u>

942 + 368

Think

Nasser listened to three CDs. The first one was 62 minutes long. The second one was 48 minutes long.

The third one was 73 minutes long. About how many total minutes of music did Nasser listen to ?

(Round your answer to the nearest ten).

Show your work