

Key Vocabulary

represent

numerals

multiples

Roman Numerals

rounding

more than >

less than (fewer) <

ones

tens

hundreds

thousands

ten thousand

one hundred thousand

place value

digit

ascending

descending

powers of

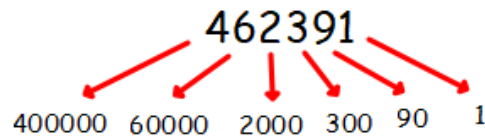
integer

Representing 6-digit Numbers

four hundred and sixty-two thousand, three hundred and ninety-one

462391

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
4	6	2	3	9	1



Negative Numbers



Counting in Powers of Ten

1000s

27231 28231 29231 30231

10000s

489921 499921 509921 519921

100000s

6856712 6956712 7056712 7156712

Remember to be careful when counting in powers of ten. After 9 it changes to 0 and the column to the left increases by 1.



Ordering Numbers

354

577

4635

9698

12876

The numbers above are in **ascending** order.



Descending order means from largest to smallest.
Ascending order means from smallest to largest.



Year 5 Place Value

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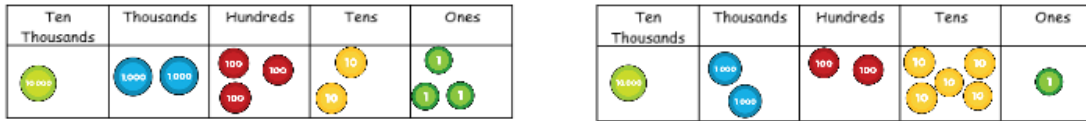
descending

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Comparing Numbers

more than



$$12323 > 12251$$



When comparing these numbers, the ten thousands and the thousands are the same so we look at the hundreds. 3 hundred is **more than** 2 hundred so **12323 > 12251**

less than



$$22334 < 23251$$

When comparing these numbers, the ten thousands are the same so we look at the thousands. 2 thousand is **less than** 3 thousand so **22334 < 23251**.



Equal to

$$10 + 12 = 44 \div 2$$

$$5 \times 5 = 100 - 75$$

Both calculations have the same value so there is an = between them.



Roman Numerals

one	1	I
five	5	V
ten	10	X
fifty	50	L
one hundred	100	C
five hundred	500	D
one thousand	1000	M

XVI = 16

XXXIX = 39

CLXVIII = 168

CMLXXII = 972

MMDCCXXIX = 2729

Remember how you represent 400 and 900...
400 = CD
900 = CM



Rounding

When rounding you need to look at the place value column to the right of the number you are rounding to. If it is **4 or below** you round down, **5 or above** you round up.

Rounding to the nearest 10

30 ← 33
round down

35 → 40
round up

Rounding to the nearest 1000

1000 ← 1499
round down

1500 → 2000
round up

Rounding to the nearest 100000

100000 ← 149999
round down

150000 → 200000
round up