

Math Grade 5

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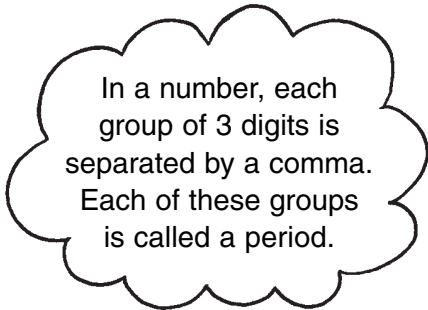
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Big Numbers

Periods →



Billions			Millions			Thousands			Ones		
100 billions	10 billions	billions	100 millions	10 millions	millions	100 thousands	10 thousands	thousands	hundreds	tens	ones
3	4	7	6	5	1	2	8	9	4	3	5

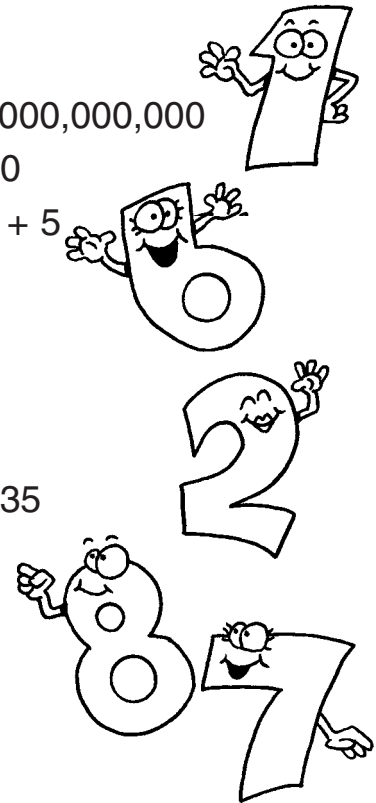
There are different ways to read and write numbers.

Standard form 347,651,289,435

Expanded form 300,000,000,000 + 40,000,000,000 + 7,000,000,000
 + 600,000,000 + 50,000,000 + 1,000,000
 + 200,000 + 80,000 + 9,000 + 400 + 30 + 5

Word form three hundred forty-seven billion,
 six hundred fifty-one million,
 two hundred eighty-nine thousand,
 four hundred thirty-five

Short word form 347 billion, 651 million, 289 thousand, 435



Write the numbers in **standard** form.

- A. 60 thousand, 540 _____
- B. seventy-two million six _____
- C. 30,000 + 9000 + 100 + 7 _____
- D. 46 billion, 32 thousand _____
- E. 100,000,000 + 20,000,000 + 30,080 _____

Write the numbers in **expanded** form.

- F. 76 thousand, 369 _____
- G. 3 million, 425 _____
- H. 69,005,002 _____
- I. two billion, three thousand four _____

Number Workout



Write the number that comes **next**.

- | | | | |
|----|-------|--------|--------|
| | 4,657 | 12,320 | 84,308 |
| A. | 4,658 | 12,321 | 84,309 |
| | _____ | _____ | _____ |

- | | | | | | |
|----|---------|---------|---------|--------|---------|
| | 107,200 | 283,998 | 492,206 | 99,998 | 999,998 |
| B. | 107,201 | 283,999 | 492,207 | 99,999 | 999,999 |
| | _____ | _____ | _____ | _____ | _____ |

Write the number that comes **before**.

- | | | | | | |
|----|-------|-------|--------|--------|--------|
| | 7,244 | 5,007 | 16,010 | 81,300 | 70,000 |
| C. | 7,245 | 5,008 | 16,011 | 81,301 | 70,001 |
| | _____ | _____ | _____ | _____ | _____ |

- | | | | | | |
|----|--------|---------|---------|---------|---------|
| | 20,001 | 149,276 | 800,000 | 620,000 | 939,500 |
| D. | 20,002 | 149,277 | 800,001 | 620,001 | 939,501 |
| | _____ | _____ | _____ | _____ | _____ |

Write the numbers in order from the least to the greatest.

- | | | | | |
|----|--|--|--|--|
| E. | 43,091 | 43,901 | 43,019 | 43,910 |
| | _____ | _____ | _____ | _____ |

- | | | | | |
|----|---|---|---|---|
| F. | 712,674 | 712,476 | 712,746 | 712,467 |
| | _____ | _____ | _____ | _____ |



Rounding Numbers



Follow these steps to round numbers.

<p>1. Find the place you want to round to. For example, suppose you want to round 32,654 to the nearest thousand. Look at the digit in the thousands place.</p> <p style="text-align: center;">32,654 ↑</p>	<p>2. Look at the digit to its right.</p> <p style="text-align: center;">32,654 ↑</p>	<p>3. If the digit is 5 or greater, round up. If it is less than 5, round down.</p> <p style="text-align: center;">32,654 ↑ greater than 5</p> <p>32,654 rounded to the nearest thousand is 33,000</p>
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A. Round each number to the nearest **thousand**.

8,431 _____ 15,670 _____ 38,910 _____

B. Round each number to the nearest **ten thousand**.

45,244 _____ 63,599 _____ 3,848,125 _____

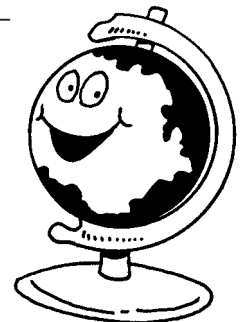
C. Round each number to the nearest **hundred thousand**.

1,862,745 _____ 6,457,208 _____

D. Round each number to the nearest **million**.

5,381,262 _____ 7,801,364 _____

Fun Fact! The earth's circumference (the distance around the earth at the equator) is 24,902 miles. If you traveled in a car at 60 miles per hour without stopping, it would take you a little over 17 days to drive that distance!



What is the earth's circumference rounded to the nearest hundred? _____
 the nearest thousand? _____ the nearest ten thousand? _____