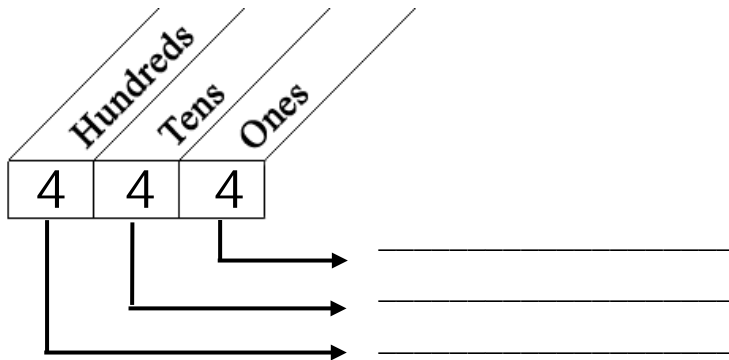


Base Ten (Decimal) System of Numbers

Consists of the ten digits: _____

Place Value. . . . refers to a digit's location in a number. The location determines the _____ of the digit.

1.



Expanded Form: _____

Place Value Chart

| Billions | | | Millions | | | Thousands | | | (Units) | | |
|----------|------|------|----------|------|------|-----------|------|------|----------|------|------|
| Hundreds | Tens | Ones | Hundreds | Tens | Ones | Hundreds | Tens | Ones | Hundreds | Tens | Ones |
| | | | | | | | | | | | |

2. a.-c. Follow examples on video.

Examples:

3. Write in words: 65,409

| Thousands | | | (Units) | | |
|-----------|---|---|---------|---|---|
| | 6 | 5 | 4 | 0 | 9 |

sixty-five _____

four hundred nine

4. Write in words: 302,827

| Thousands | | | (Units) | | |
|-----------|---|---|---------|---|---|
| 3 | 0 | 2 | 8 | 2 | 7 |

three hundred two _____

eight hundred twenty-seven

5. Write in words: 24,603,915

| Millions | | Thousands | | | (Units) | | |
|----------|---|-----------|---|---|---------|---|---|
| 2 | 4 | 6 | 0 | 3 | 9 | 1 | 5 |

twenty-four _____

six hundred three _____

nine hundred fifteen

Turn Tape Off And Work Practice Exercises 6 - 9

Write the following numbers in words.

6. 5,360 _____

7. 18,902 _____

8. 108,541 _____

9. 23,600,102 _____

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Examples:

10. one thousand, three hundred five _____

11. fifty-six million, eight hundred three thousand, six hundred twenty _____

Turn Tape Off And Work Practice Exercises 12 - 15

Translate the following numbers in symbols.

12. six hundred eighteen

13. thirteen thousand, one

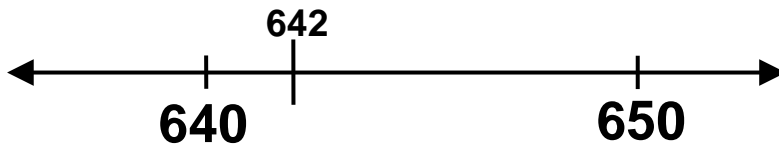
14. seven hundred thousand, three hundred six _____

15. five million, two hundred twenty-five thousand, six hundred forty-one _____

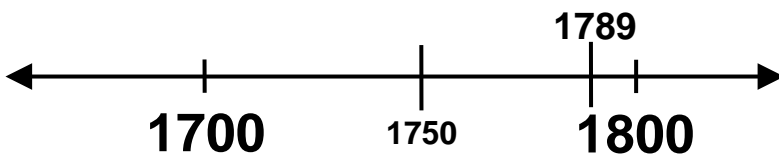
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Examples:

16. Round 642 to the nearest ten. _____



17. Round 1,789 to the nearest hundred. _____



18. Round 28,684 to the nearest thousand. _____

Steps for Rounding Whole Numbers

1. _____ the digit in the place value position that you are rounding to.
2. Circle the first digit to the right of the underlined digit. This is the _____ _____.
3. If the control digit is _____ _____ _____, **increase the underlined digit by 1.**
If the control digit is _____ _____ _____, **leave the underlined digit the same.**
4. Change all digits, to the right of the rounded digit, to zeros.

19a. Round 834 to the nearest hundred. _____

19b. Round 12,603 to the nearest thousand. _____

19c. Round 89,743 to the nearest thousand. _____

20. Round 478,693 to the nearest:
- ten _____
- hundred _____
- thousand _____
- hundred thousand _____

Turn Tape Off And Work Practice Exercises 21 - 25

Round each of the following numbers to the given place value.

21. Round 487 to the nearest ten. _____
22. Round 3,296 to the nearest hundred. _____
23. Round 65,218 to the nearest thousand. _____
24. Round 497,647 to the nearest ten-thousand. _____
25. Round 1,867,964 to the nearest:
- ten _____
- hundred _____
- ten-thousand _____
- million _____

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Math Study Tips:

Responsibility for Learning

It is important to take responsibility for your own learning. This portion of the lesson outlines specific ways in which you can do this. Use the space provided to make notes from the suggestions given on the video.

- ◆ **Make a commitment to change past attitudes and behaviors that are not productive.**

- ◆ **Get to know the learning resources that are available to you.**

- ◆ **Learn how to manage your time.**

- ◆ **Don't make excuses.**

Lesson 1: Problem Set

Write the following numbers in words.

1. 3,089

2. 73,823,518

3. 43,505

4. 23,000,071

Translate the following words into numbers.

5. seventy-five thousand, five hundred sixteen

6. three hundred twelve thousand, eight hundred ninety

7. sixteen million, nine hundred three thousand, eighty-five

8. two hundred two thousand, two hundred twenty-two

Round each of the following numbers to the place values indicated.

35,972

243,961,306

9. thousand _____

11. ten million _____

10. ten-thousand _____

12. hundred-thousand _____