

Frequently Asked Questions

Q: How can you represent a six-digit number?

A: You can use models, pictures, numbers, and words.

- counters on a place value chart:

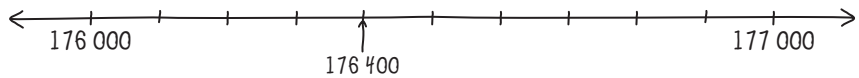
| Thousands | | | Ones | | |
|-----------|------|------|----------|------|-------|
| Hundreds | Tens | Ones | Hundreds | Tens | Ones |
| ● ● ● | ● ● | | ● | ● ● | ● ● ● |

- standard form: 320 123
- expanded form: 300 000 + 20 000 + 100 + 20 + 3 or 3 hundred thousands + 2 ten thousands + 1 hundred + 2 tens + 3 ones
- words: three hundred twenty thousand one hundred twenty-three

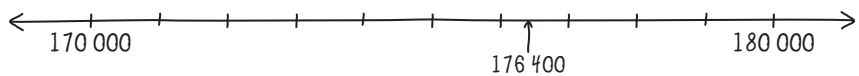
Q: How can you round a six-digit number?

A: You can use number lines.

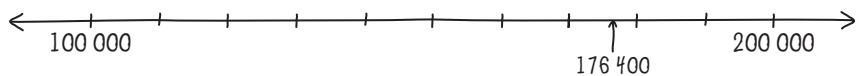
For example, 176 400 is closer to 176 000 than to 177 000, so it rounds to 176 000 to the nearest thousand.



176 400 is closer to 180 000 than to 170 000, so it rounds to 180 000 to the nearest ten thousand.



176 400 is closer to 200 000 than to 100 000, so it rounds to 200 000 to the nearest hundred thousand.



Practice

Lesson 1

1. Model each number on a place value chart. Then write each number in standard form.
 - a) two hundred fifteen thousand seventy
 - b) seven hundred fifty-four thousand three hundred twenty-six
 - c) one hundred thirty-three thousand five hundred

Lesson 2

2. Shannon wrote three numbers in expanded form.

$$500\,000 + 80\,000 + 700 + 6$$

$$500\,000 + 80\,000 + 1000$$

$$500\,000 + 70\,000 + 200 + 90 + 9$$

Write these numbers in standard form. Then arrange them in order from least to greatest.

3. Rebecca researched the attendance for some women's basketball games.
 - a) Arrange the attendance figures in order from least to greatest. Explain your strategy.
 - b) The attendance in week 7 was between the attendance in week 3 and week 5, but it was closer to the attendance in week 3. Could it have been 121 000? How do you know?

| WNBA Attendance | |
|-----------------|------------------|
| Week | Total attendance |
| 1 | 160 279 |
| 2 | 89 631 |
| 3 | 116 981 |
| 4 | 111 304 |
| 5 | 123 126 |
| 6 | 125 202 |

Lesson 4

4. In one week, the blood in an average human travels 675 780 km on its journey through the body.
 - a) Model this distance on a place value chart.
 - b) Write this distance in words.
 - c) Write this distance in standard form rounded to the nearest hundred thousand, ten thousand, and thousand.

