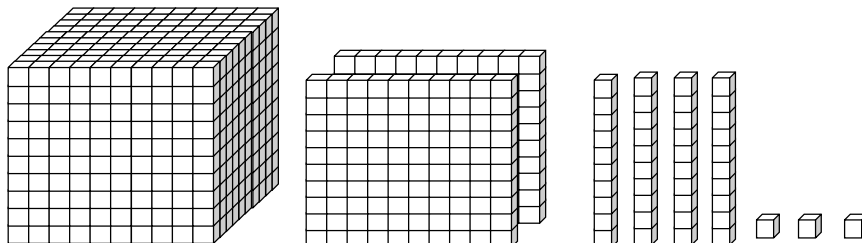## 4.NBT.A.2 Write Numbers in Various Forms Using Place Value Blocks

4.NBT.A.2: Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form.

1. Refer to the model on your right. Name the number shown by the model in standard, word and expanded forms.

Solution:

2. Write each of the following numbers in two other forms:
   a. Six hundred eight thousand, and eleven
   b. 70,000 + 3,000 + 800 + 10 + 5
   c. Four hundred thousand, five hundred, and forty-eight
   d. 967,415
   e. 50,000 + 9,000 + 100 + 40 + 3

Solution:
a.
b.
c.
d.
e.

3. Write the place value of the underlined digit for each of the following numbers:
   a. 746,<u>2</u>47
   b. 297,<u>3</u>90
   c. 863,9<u>4</u>5
   d. <u>8</u>23,621
   e. 348,59<u>6</u>

Solution:
a.
b.
c.
d.
e.

4.NBT.A.2 Write Numbers in Various Forms Using Place Value Blocks

4.NBT.A.2: Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form.

4. In the year 2018, the total number of restaurants in US is six hundred sixty thousand, seven hundred, and fifty-five. What is the total number of restaurants in standard form?
   A. 616,755
   B. 660,775
   C. 616,575
   D. 660,755

   Solution:

5. What digit is in hundreds place of 2,367?

   Solution:

6. What number is 1,000 more than the smallest number you can make if you use the digits 5, 6, 7, and 8? Explain your answer.

   Solution:

7. The land area of Los Angeles is 1,302 km^2. Use base-ten blocks to represent this number. Write the number in word and expanded form.
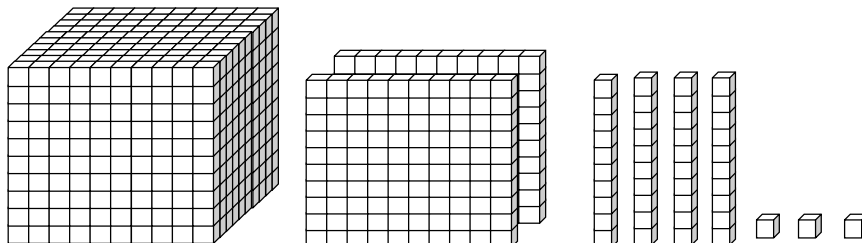
   Solution:

8. Andrew wrote a few numbers on a sheet of paper: 327, 347, 367, ___, ___, ___
   Find the pattern and complete the sequence.

   Solution:

4.NBT.A.2 Write Numbers in Various Forms Using Place Value Blocks

4.NBT.A.2: Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form.

1. Refer to the model on your right. Name the number shown by the model in standard, word and expanded forms.

   Solution:
   1,243
   One thousand, two hundred, and forty-three
   1,000 + 200 + 40 + 3

2. Write each of the following numbers in two other forms:
   a. Six hundred eight thousand, and eleven
   b. 70,000 + 3,000 + 800 + 10 + 5
   c. Four hundred thousand, five hundred, and forty-eight
   d. 967,415
   e. 50,000 + 9,000 + 100 + 40 + 3

   Solution:
   a. 608,011; 600,000 + 8,000 + 10 + 1
   b. 73,815; seventy-three thousand, eight hundred and fifteen
   c. 400,548; 400,000 + 500 + 40 + 8
   d. nine hundred sixty-seven thousand, four hundred and fifteen;
      900,000 + 60,000 + 7,000 + 400 + 10 + 5
   e. 59,143; fifty-nine thousand, one hundred, and forty-three

3. Write the place value of the underlined digit for each of the following numbers:
   a. 746,247
   b. 297,390
   c. 863,945
   d. 823,621
   e. 348,596

   Solution:
   a. 200
   b. 7,000
   c. 40
   d. 800,000
   e. 6

4.NBT.A.2: Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form.

4. In the year 2018, the total number of restaurants in US is six hundred sixty thousand, seven hundred, and fifty-five. What is the total number of restaurants in standard form?
   A. 616,755
   B. 660,775
   C. 616,575
   D. 660,755

   Solution: D

5. What digit is in hundreds place of 2,367?

   Solution: 3

6. What number is 1,000 more than the smallest number you can make if you use the digits 5, 6, 7, and 8? Explain your answer.
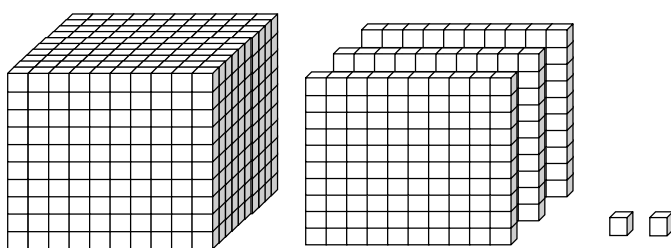
   Solution:
   6,678

7. The land area of Los Angeles is 1,302 km^2. Use base-ten blocks to represent this number. Write the number in word and expanded form.

   Solution:
   - One thousand, three hundred, and two.
   - 1,000 + 300 + 2

8. Andrew wrote a few numbers on a sheet of paper: 327, 347, 367, ___, ___, ___
   Find the pattern and complete the sequence.

   Solution: Add 20
   327, 347, 367, 387, 407, 427