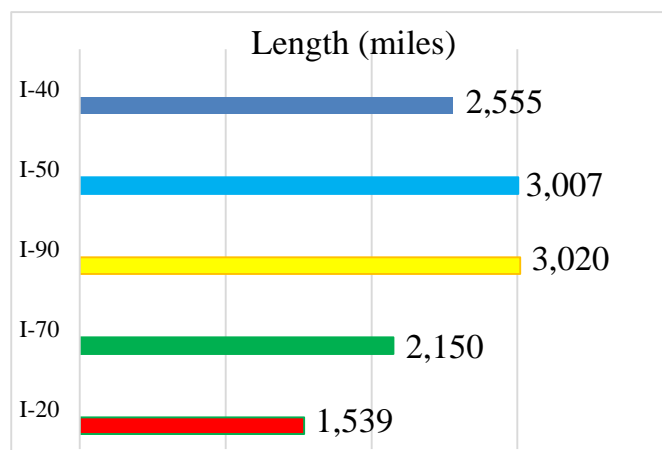


4.NBT.A.2 Compare Numbers Using Place Value

4.NBT.A.2: Compare two multi-digit numbers based on meanings of the digits in each place

1. The data in the bar chart displays five interstate routes in the USA. Use the data to answer the following questions.
 - a. Which interstate route is the longest?
 - b. How much longer is the longest interstate route than the shortest interstate route?
 - c. Use a number line to order the interstate routes from shortest to the longest.
 - d. Which interstate routes are neither the shortest nor the longest in the data provided?

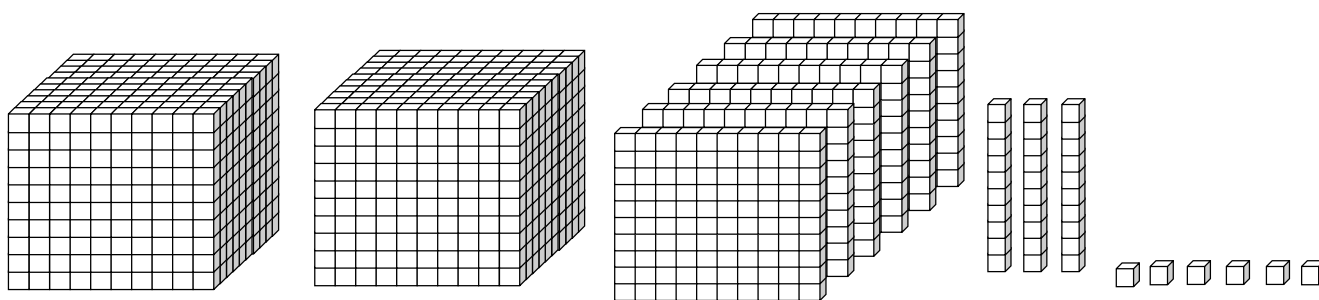
Longest Highways in USA



Solution:

- a.
- b.
- c.
- d.

2. The base-ten blocks in the image below represent the number 2,636. Make a similar model for 2,363 and compare the two numbers. Which digit's place value helped you in proving that 2,636 is larger than 2,363. Explain your reasoning.

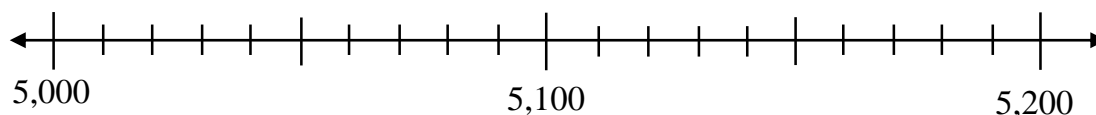


Solution:

4.NBT.A.2 Compare Numbers Using Place Value

4.NBT.A.2: Compare two multi-digit numbers based on meanings of the digits in each place

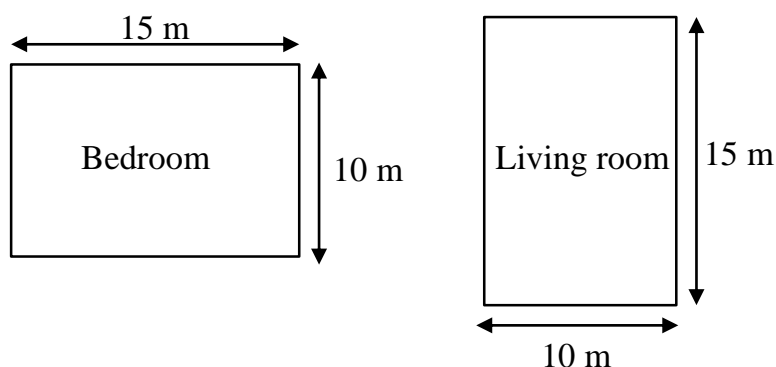
3. Use the number line to plot the numbers given in the list below. Then, order the numbers from least to greatest.



- a. 5,150
- b. 5,070
- c. 5,175

Solution:

4. The area of a rectangular room is calculated by multiplying its length and width. The following image shows the dimensions of Jacob's bedroom and living room. Compare the areas of the two rooms. Which room is bigger?



Solution:

5. Make the smallest and the largest numbers using the digits 1, 2, 4, and 8. Use any of these digits only once when making a number. Find the difference between the two numbers.

Solution:

6. Write the following numbers from least to greatest.

- a. 9,023; 919; 9,302; 9,103
- b. 301,301; 31,031; 301,625; 3,625
- c. 660,006; 60,616; 600,666; 606,660
- d. 291,919; 219,291; 29,951; 22,252

Solution:

- a.
- b.
- c.
- d.

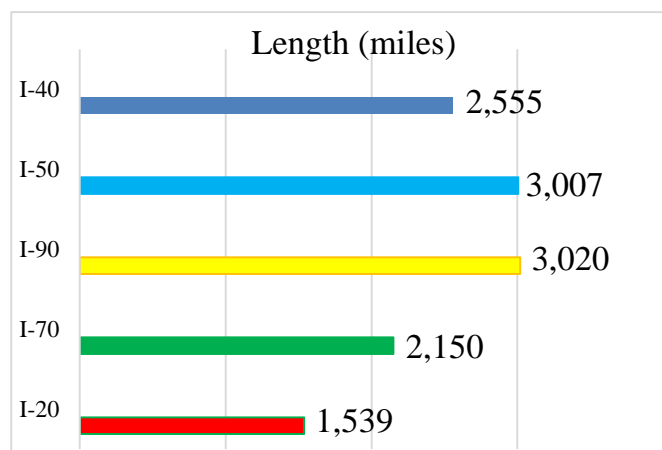
4.NBT.A.2 Compare Numbers Using Place Value

Answer Key

4.NBT.A.2: Compare two multi-digit numbers based on meanings of the digits in each place

1. The data in the bar chart displays five interstate routes in the USA. Use the data to answer the following questions.
 - a. Which interstate route is the longest?
 - b. How much longer is the longest interstate route than the shortest interstate route?
 - c. Use a number line to order the interstate routes from shortest to the longest.
 - d. Which interstate routes are neither the shortest nor the longest in the data provided?

Longest Highways in USA



Solution:

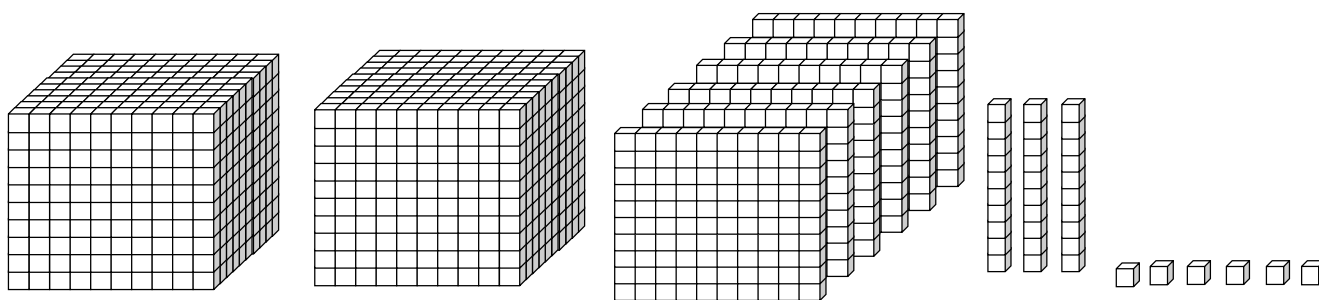
a. **I-90**

d. **I-70, I-40, I-50**

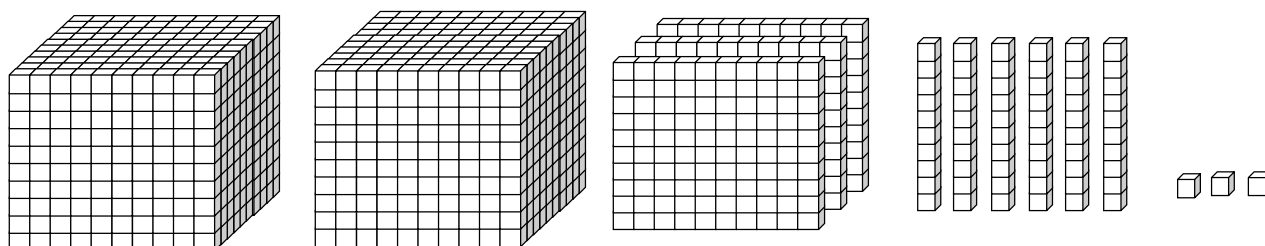
b. **1,481**

c. **$I-20 < I-70 < I-40 < I-50 < I-90$**

2. The base-ten blocks in the image below represent the number 2,636. Make a similar model for 2,363 and compare the two numbers. Which digit's place value helped you in proving that 2,636 is larger than 2,363. Explain your reasoning.



Solution: **Hundreds Digit**

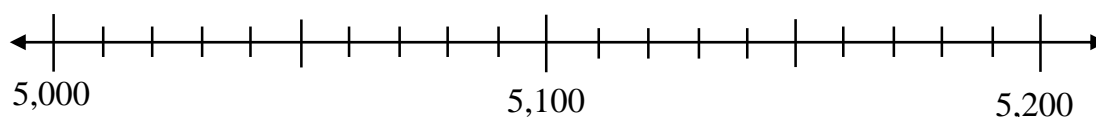


4.NBT.A.2 Compare Numbers Using Place Value

Answer Key

4.NBT.A.2: Compare two multi-digit numbers based on meanings of the digits in each place

3. Use the number line to plot the numbers given in the list below. Then, order the numbers from least to greatest.

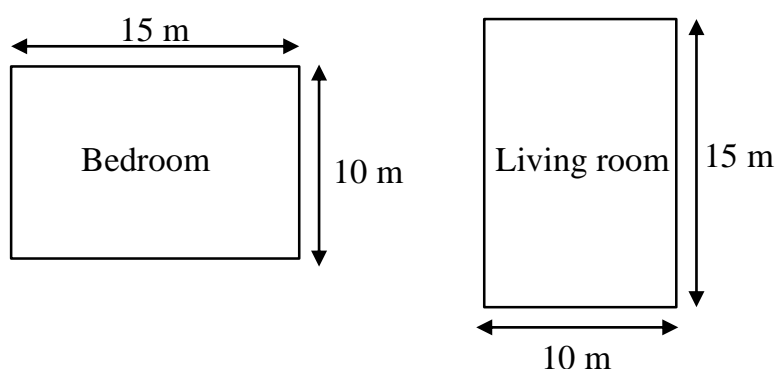


- a. 5,150
- b. 5,070
- c. 5,175

Solution:

$$5,070 < 5,150 < 5,175$$

4. The area of a rectangular room is calculated by multiplying its length and width. The following image shows the dimensions of Jacob's bedroom and living room. Compare the areas of the two rooms. Which room is bigger?



Solution:

Both have equal area; 150 m^2

5. Make the smallest and the largest numbers using the digits 1, 2, 4, and 8. Use any of these digits only once when making a number. Find the difference between the two numbers.

Largest: 8,421

Smallest: 1,248

Difference: 7,173

6. Write the following numbers from least to greatest.

- a. 9,023; 919; 9,302; 9,103
- b. 301,301; 31,031; 301,625; 3,625
- c. 660,006; 60,616; 600,666; 606,660
- d. 291,919; 219,291; 29,951; 22,252

Solution:

a. $919 < 9,023 < 9,103 < 9,302$

b. $3,625 < 31,031 < 301,301 < 301,625$

c. $60,616 < 600,666 < 606,660 < 660,006$

d. $22,252 < 29,951 < 219,291 < 291,919$