tutorified

4.NBT.A.3 Use place value understanding to round multi-digit whole numbers to any place.

1. Round each of the following numbers to the nearest ten, hundred, thousand, hundred thousand, and million.
   a. 251,436,577
   b. 21,375,923
   c. 9,245,187
   d. 348,191,427
   e. 823,538,213

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

2. The table provides the statistics about various kinds of stores in USA in 2018. Refer to the data in the table and solve the following problems:

Store Type	Number of stores
Bookstores	10,800
Grocery Stores	146,924
Gas Stations	167,850

   a. If the number of bookstores is rounded to the nearest thousand, how many bookstores were there in USA in 2018?
   b. What is the number of grocery stores if rounded to the nearest ten thousand?
   c. What is the number of gas stations if rounded to the nearest hundred?
   d. Round the number of grocery stores and gas stations to the nearest hundred thousand. Find the difference after rounding.

   Solution:
   a.
   b.
   c.
   d.

3. Round each of the following numbers to the place value of underlined digit.
   a. 1,467,<u>5</u>03
   b. 92,3<u>1</u>0
   c. 2<u>3</u>,572,995
   d. <u>9</u>02,476
   e. <u>2</u>52
   f. <u>6</u>94,002,937

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

4. Which number does not round to 485,000?
   A. 485,521   C. 484,684
   B. 485,490   D. 485,005

   Solution:

4.NBT.A.3 Rounding Numbers (Estimate Numbers)

4.NBT.A.3 Use place value understanding to round multi-digit whole numbers to any place.

1. Round each of the following numbers to the nearest ten, hundred, thousand, hundred thousand, and million.

	Numbers	Nearest Ten	Nearest Hundred	Nearest Thousand	Nearest Hundred Thousand	Nearest Million
a.	251,436,577	251,436,580	251,436,600	251,437,000	251,400,000	251,000,000
b.	21,375,923	21,375,920	21,375,900	21,376,000	21,400,000	21,000,000
c.	9,245,187	9,245,190	9,245,200	9,245,000	9,200,000	9,000,000
d.	348,191,427	348,191,430	348,191,400	348,191,000	348,200,000	348,000,000
e.	823,538,213	823,538,210	823,538,200	823,538,000	823,500,000	824,000,000

2. The table provides the statistics about various kinds of stores in USA in 2018. Refer to the data in the table and solve the following problems:

Store Type	Number of stores
Bookstores	10,800
Grocery Stores	146,924
Gas Stations	167,850

   a. If the number of bookstores is rounded to the nearest thousand, how many bookstores were there in USA in 2018?
   b. What is the number of grocery stores if rounded to the nearest ten thousand?
   c. What is the number of gas stations if rounded to the nearest hundred?
   d. Round the number of grocery stores and gas stations to the nearest hundred thousand. Find the difference after rounding.

Solution:
a. 11,000
b. 150,000
c. 167,900
d. Grocery stores: 100,000
   Gas stations: 200,000
   Difference: 100,000

3. Round each of the following numbers to the place value of underlined digit.
   a. 1,467,<u>5</u>03
   b. 92,3<u>1</u>0
   c. 2<u>3</u>,572,995
   d. <u>9</u>02,476
   e. <u>2</u>52
   f. <u>6</u>94,002,937

Solution:
a. 1,467,500
b. 92,310
c. 24,000,000
d. 900,000
e. 300
f. 700,000,000

4. Which number does not round to 485,000?
   A. 485,521   C. 484,684
   B. 485,490   D. 485,005

A