tutorified

4.NBT.A.3 Rounding Numbers (Underlined Digit)

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 place value of underlined digit.
   a. 252,891
   b. 1,027,443
   c. 375,628
   d. 56,912,342
   e. 128,937,105
   f. 509,205,732
   g. 768,436

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

2. Write the largest number that results in the following if rounded.
   a. 328,000
   b. 46,730,000
   c. 400
   d. 36,000
   e. 137,100,000
   f. 940,000

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

3. True or False?
   a. Rounding number can result to a bigger number being rounded.
   b. Rounding number can result to a smaller number being rounded.
   c. Rounding number can result to the same number being rounded.

   Solution:
   a.
   b.
   c.

4. Which number rounds to 400,000?
   A. 42,560   C. 401,284
   B. 4,732   D. 490,005

   Solution:

5. It was estimated that the population of New York City in 2019 was 8,336,817. Janice rounded the population to 8,000,000. Is Janice correct in her rounding? Explain your answer.

   Solution:

4.NF.A.2 Compare Fractions Using Visual Model

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 place value of <u>underlined</u> digit.
   a. 25<u>2</u>,891
   b. 1,0<u>2</u>7,443
   c. 375,<u>6</u>28
   d. <u>5</u>6,912,342
   e. 1<u>2</u>8,937,105
   f. 5<u>0</u>9,205,732
   g. 76<u>8</u>,436

Solution:
a. 253,000
b. 1,030,000
c. 375,600
d. 60,000,000
e. 130,000,000
f. 510,000,000
g. 768,000

2. Write the largest number that results in the following if rounded.
   a. 328,000
   b. 46,730,000
   c. 400
   d. 36,000
   e. 137,100,000
   f. 940,000

Solution:
a. 328,499
b. 46,734,999
c. 449
d. 36,499
e. 137,149,999
f. 944,999

3. True or False?
   a. Rounding number can result to a bigger number being rounded.
   b. Rounding number can result to a smaller number being rounded.
   c. Rounding number can result to the same number being rounded.

Solution:
a. True
b. True
c. True

4. Which number rounds to 400,000?
   A. 42,560   C. 401,284
   B. 4,732   D. 490,005

Solution: C

5. It was estimated that the population of New York City in 2019 was 8,336,817. Janice rounded the population to 8,000,000. Is Janice correct in her rounding? Explain your answer.

Solution: Yes; rounded to the nearest million.