

# 5.NBT.A.1 Rounding Based on Place Value and Number Line

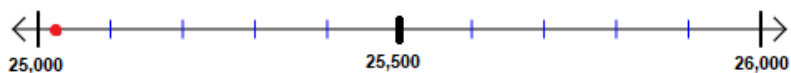
5.NBT.A.1: Recognize that a digit in one place represents 10 times as much as in the place to its right.

1. Draw a number line in the answer box to approximately correct position and then round the number to the nearest thousand.

Answers:

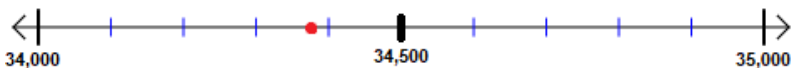
a. 25,014

a.



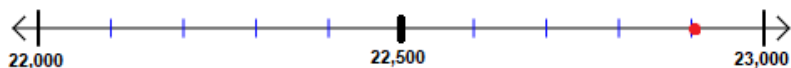
b. 34,387

b.



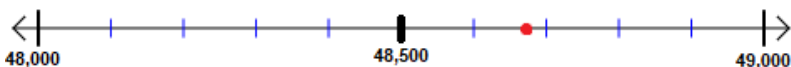
c. 22,901

c.



d. 48,675

d.



2. Use place value to round each number to the place value of the underlined digit.

a. 27,942,110

e. 159,215

b. 389,603,412

f. 154,362,780

c. 85,630,947

g. 248,347,341

d. 24,754,210,354

Answers:

a.

e.

b.

f.

c.

g.

d.

3. Round to the greatest place value then perform the indicated operation.

a.  $358 + 867$

e.  $8,214,485,210 - 5,842,214,985$

b.  $125,648 + 251,152$

f.  $1,214,419,587 + 2,584,345,972$

c.  $5,485,215 - 2,214,841$

g.  $568,754,354 + 987,254,301$

d.  $31,103,401 - 18,647,210$

Answers:

a.

e.

b.

f.

c.

g.

d.

4. Underline the digit (in the first number) to which the first number was rounded to the second number.

a. 32,514,884

to

32,500,000

b. 21,218,352

to

21,220,000

c. 7,655,586,846

to

7,700,000,000

d. 11,751,001,641

to

11,750,000,000

Answers:

a.

b.

c.

d.

5. Which number, when rounded to the nearest ten thousands, is 87,250,000?

A. 87,240,482

B. 87,258,032

C. 87,245,369

D. 86,249,754

Answer:

# 5.NBT.A.1 Rounding Based on Place Value and Number Line

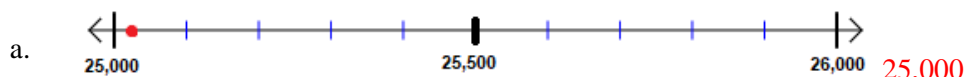
## Answer Key

5.NBT.A.1: Recognize that a digit in one place represents 10 times as much as in the place to its right.

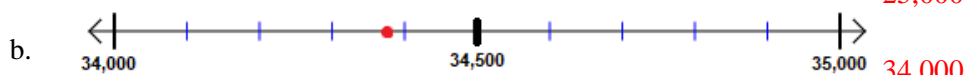
1. Draw a number line in the answer box to approximately correct position and then round the number to the nearest thousand.

Answers:

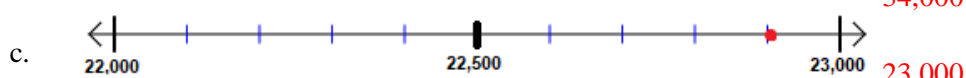
a. 25,014



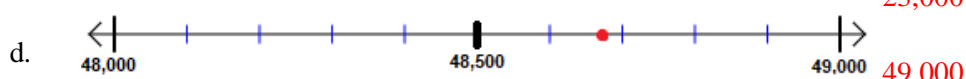
b. 34,387



c. 22,901



d. 48,675



2. Use place value to round each number to the place value of the underlined digit.

a. 27,942,110

e. 159,215

b. 389,603,412

f. 154,362,780

c. 85,630,947

g. 248,347,341

d. 24,754,210,354

Answers:

a. 28,000,000

e. 160,000

b. 390,000,000

f. 154,363,000

c. 85,600,000

g. 248,000,000

d. 24,800,000,000

3. Round to the greatest place value then perform the indicated operation.

a.  $358 + 867$

e.  $8,214,485,210 - 5,842,214,985$

b.  $125,648 + 251,152$

f.  $1,214,419,587 + 2,584,345,972$

c.  $5,485,215 - 2,214,841$

g.  $568,754,354 + 987,254,301$

d.  $31,103,401 - 18,647,210$

Answers:

a. 1,300

e. 2,000,000,000

b. 400,000

f. 4,000,000,000

c. 3,000,000

g. 1,600,000,000

d. 10,000,000

4. Underline the digit (in the first number) to which the first number was rounded to the second number.

a. 32,514,884

to 32,500,000

b. 21,218,352

to 21,220,000

c. 7,655,586,846

to 7,700,000,000

d. 11,751,001,641

to 11,750,000,000

Answers:

a. 32,514,884

b. 21,218,352

c. 7,655,586,846

d. 11,751,001,641

5. Which number, when rounded to the nearest ten thousands, is 87,250,000?

A. 87,240,482

B. 87,258,032

C. 87,245,369

D. 86,249,754

Answer:

C. 87,245,369