Unit 4 Assessment

Write the following decimals in words.

① 0.7 _____

② 3.68 _____

③ 8.713 _____

Write the following decimals using numerals.

④ sixty-five and sixteen hundredths _____

⑤ eight hundred thirty-four thousandths _____

⑥ two and eight hundredths _____

⑦ Make the following changes to the number 5.376:

Make the 3 worth 10 times as much.

Make the 5 worth $\frac{1}{10}$ as much.

Make the 7 worth $\frac{1}{10}$ as much.

Make the 6 worth 10 times as much.

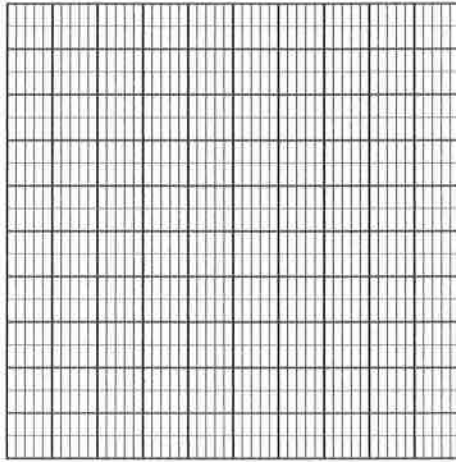Write the new number. _____

Write the new number in words.

_____

For Problems 8–11, write >, =, or < to make true number sentences.

⑧ 0.328 _____ 0.591

⑨ 12.5 _____ 0.992

⑩ 1.62 _____ 1.620

⑪ 0.55 _____ 0.297

Unit 4 Assessment (continued)

For Problems 12 and 13, shade the thousandths grid to represent the decimal.
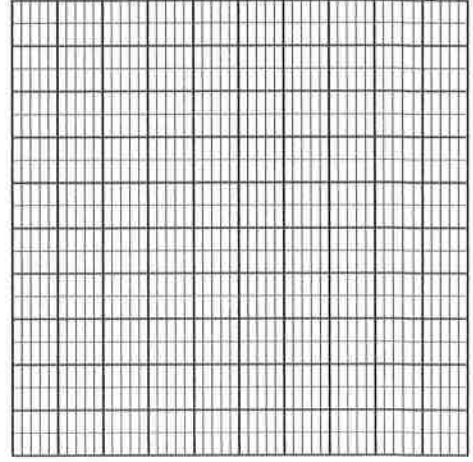Then write the decimal in expanded form.

⑫ 0.215

Expanded form:

_____

⑬ 0.728

Expanded form:

_____

⑭ Round each number to the place listed.

Start number	Nearest hundredth	Nearest tenth	Nearest whole number
3.216			
6.076			
0.082			

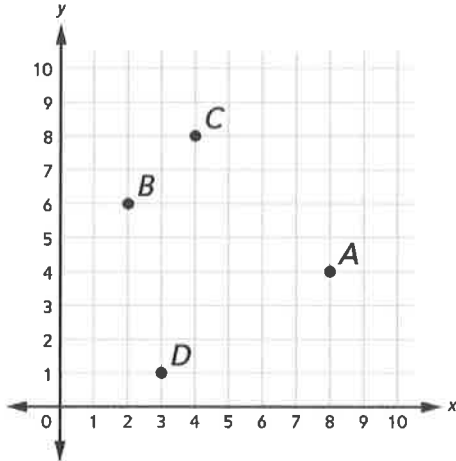**⑮** Explain how you rounded 6.076 to the nearest hundredth.

_____

_____

_____

Unit 4 Assessment (continued)

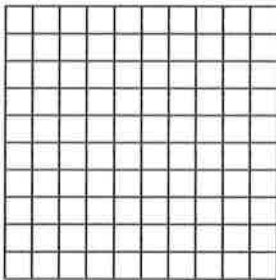⑯ Write the ordered pair for each point shown on the coordinate grid below.

A: (_____ , _____)

B: (_____ , _____)

C: (_____ , _____)

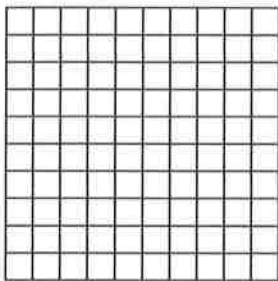D: (_____ , _____)

⑰ Shade the grid in one color to show the first addend.
Shade the grid in a second color to show the second addend.
Write the sum to complete the number sentence.

$0.25 + 0.37 =$ _____

⑱ Shade the grid to show the starting number.
Cross out or shade darker to show the number being taken away.
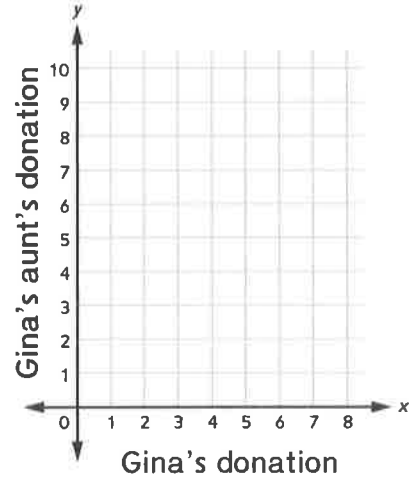Write the difference to complete the number sentence.

$0.63 - 0.47 =$ _____

Unit 4 Assessment (continued)

⑲ Gina is donating money to her neighborhood food pantry.
Her aunt has agreed to donate two dollars more than Gina donates.
The table below shows some of the possible amounts of money they may donate.

Gina's donation (x)	Gina's aunt's donation (y)
1	3
2	4
3	5
4	6
5	7

a. Write the data in the table above as ordered pairs.

_____ _____ _____ _____ _____

b. Plot the ordered pairs as points and use a straightedge to connect them.

For Problems 20–23, make an estimate. Then solve and show your work.
Use your estimate to check that your answer makes sense.

⑳ 6.9 + 3.8 = _____

Estimate: _____

㉑ 7.24 + 2.51 = _____

Estimate: _____

㉒ 10.3 − 5.7 = _____

Estimate: _____

㉓ 9.39 − 4.17 = _____

Estimate: _____

Unit 4 Challenge

(1) Mark and label the following numbers on the number line below.

A: 45.5   B: 46.5   C: 45.073   D: 46.97   E: 45.73   F: 46.9


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◄─┼─────────────────────────┼─────────────────────────┼─►
  45                        46                        47
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(2) **a.** The table below gives the medalists' results for Women's
Individual All-Round Gymnastics in the 2012 Summer Olympics.
Round each score to complete the table.

Medalist	Official Score	Score Rounded to the Nearest Hundredth	Score Rounded to the Nearest Tenth	Score Rounded to the Nearest Whole Number
Gabby Douglas (USA)	62.232			
Viktoriya Komova (Russia)	61.973			
Aliya Mustafina (Russia)	59.566			

b. How does rounding change the medalists' scores?

_____

_____

_____

c. Why do you think gymnastics scores are reported to the thousandths place?
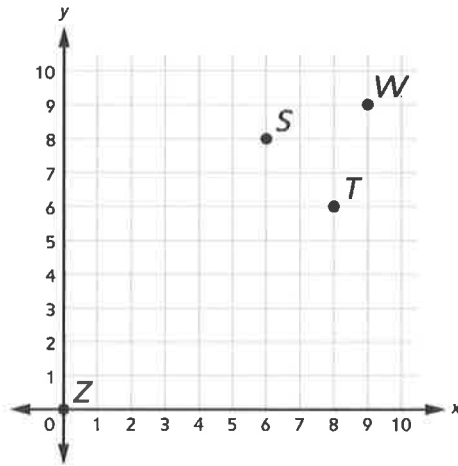
_____

_____

_____

Unit 4 Challenge (continued)

③ The grid below shows a map of a city.
The line segment on each side of a grid square represents one block.

Key:
Point *W*: water tower
Point *Z*: zoo entrance
Point *S*: swimming pool
Point *T*: train station

The city council wants to build a new Youth Center 4 blocks from
the swimming pool and 4 blocks from the train station.

a. Find two locations where the Youth Center could be located.

Write the locations as ordered pairs. _____

b. Which of the two locations you listed would be closer to the zoo? _____
Plot the point on the grid. Label it *Y*.

④ This is your receipt from the grocery store.
Two of the prices on the receipt were hard to read.
Fill in prices for the bananas and the yogurt that would make the total correct.

5th Street Grocery	
Item	**Price**
Bread	$2.47
Apples	$1.19
Bananas	
Cheese	$3.99
Yogurt	
Total	$14.10