

# acadience<sup>®</sup>math

## Concepts and Applications

### Level 5 | Progress Monitoring

### Student Worksheets

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## Concepts and Applications / Level 5

Name: \_\_\_\_\_ Student ID: \_\_\_\_\_

Teacher: \_\_\_\_\_ School: \_\_\_\_\_ School Year: \_\_\_\_\_

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 1**

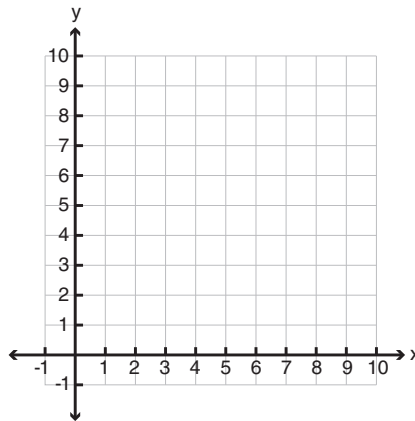
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
9.569		9.567
7.235		7.237
9.218		9.216

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (1, 3)
- B. (6, 4)
- C. (6, 5)
- D. (6, 3)



3. Solve:

$$3 \times (7 - 4) - 4 =$$

4. Finn is baking. He has 13 tablespoons of flour, 17 tablespoons of sugar, and 18 tablespoons of brown sugar. How many cups does Finn have, if 1 cup = 16 tablespoons? \_\_\_\_\_ cups.

5. Sasha is making waffles. She needs  $\frac{2}{7}$  cup of sugar and  $\frac{1}{5}$  cup of spices. How many total cups of ingredients does she need?  
 \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
2.4814			
3.4438			

# Acadience® Math / Concepts and Applications

## Level 5 / Progress Monitoring 1

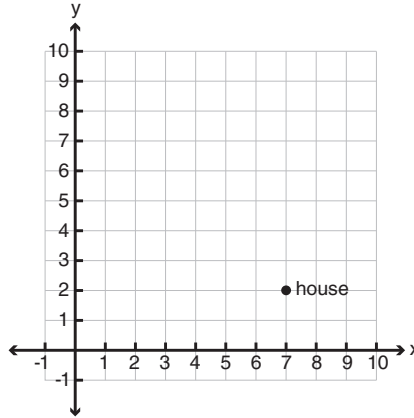
7. Your house is represented by the ordered pair (7, 2).

Go up 6 units to your friend's house.

Go left 4 units to the store.

Go down 2 units to the movie theater.

What ordered pair on the coordinate plane represents the movie theater? ( \_\_\_\_, \_\_\_\_ )

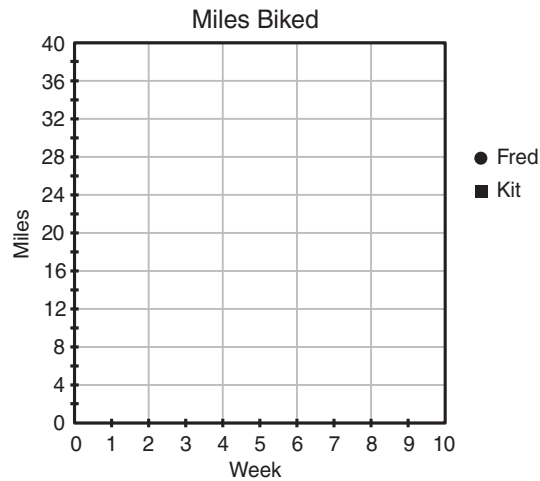


8. Fred and Kit ride their bikes each week.

A. Complete the table that represents the number of miles each of them biked:

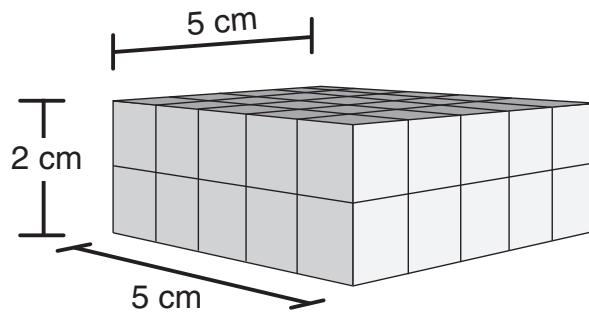
Week	Total Miles Fred Biked	Total Miles Kit Biked
1	2	5
2	4	10
3	6	15
4	8	20
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_  $\text{cm}^3$ .



10.  $\frac{1}{4}$  of the students are athletes.  $\frac{3}{5}$  of the athletes play in the spring. What fraction of the students are athletes that play in the spring? \_\_\_\_\_ are athletes that play in the spring.

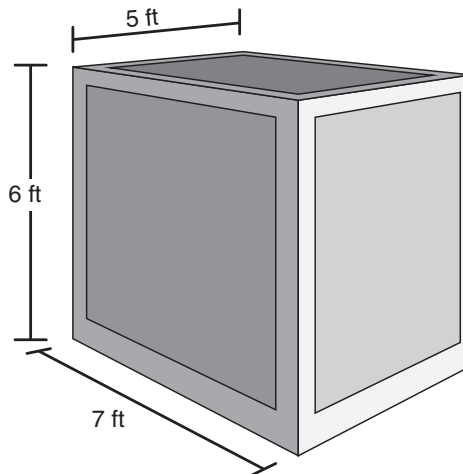
**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 1**

11. Yuki bought garlic for \$1.86 and avocados for \$2.55. She paid with a \$10 bill. How much change would she get back?  
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$4 \times 7 + 8 + 7 = 43$$

13. The crate is 7 feet long, 5 feet wide, and 6 feet tall. What is the volume of the crate?  
\_\_\_\_\_ ft<sup>3</sup>.



14. The pizza shop has 81 pieces of pizza. They are divided equally among 10 families. How many pieces of pizza does each family get? Write your answer as a decimal. \_\_\_\_\_ pieces of pizza.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 4 by 2, then add 8: \_\_\_\_\_ = 10

16. How many gallons of gas would each car get if 3 cars shared  $\frac{7}{8}$  of a gallon equally?  
\_\_\_\_\_ gallon(s) of gas.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 2**

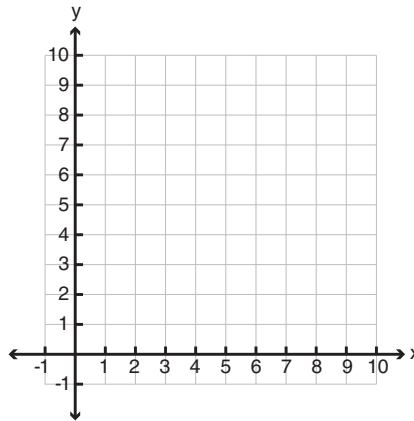
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
6.317		6.310
1.439		1.437
5.014		5.017

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (5, 5)
- B. (5, 2)
- C. (4, 1)
- D. (6, 2)



3. Solve:

$$3 \times (9 - 6) + 4 =$$

4. Stella found some rocks. She found 15 ounces of brown rocks and 4 ounces of black rocks. Then she found 13 ounces of green rocks. How many pounds of rocks did Stella find, if 1 pound = 16 ounces? \_\_\_\_\_ pounds.

5. A squirrel has some nuts. He has  $\frac{3}{7}$  of a pound of peanuts and  $\frac{1}{3}$  of a pound of walnuts. How many pounds does the squirrel have in total? \_\_\_\_\_ of a pound of nuts.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
8.2685			
4.1113			

# Acadience® Math / Concepts and Applications

## Level 5 / Progress Monitoring 2

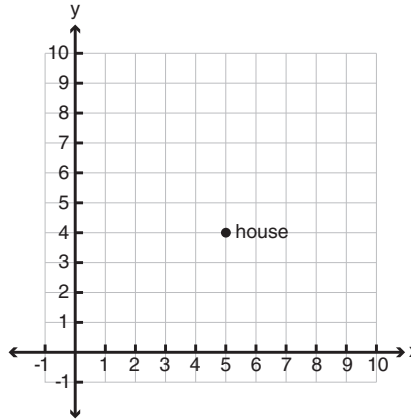
7. Your house is represented by the ordered pair (5, 4).

Go up 4 units to your friend's house.

Go right 1 unit to the school.

Go down 2 units to the store.

What ordered pair on the coordinate plane represents the store? ( \_\_\_\_, \_\_\_\_ )

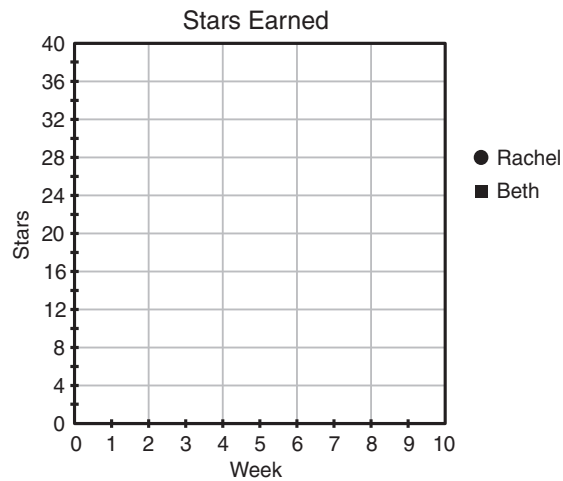


8. Beth and Rachel earned stars for chores.

A. Complete the table that represents the number of stars each of them has earned:

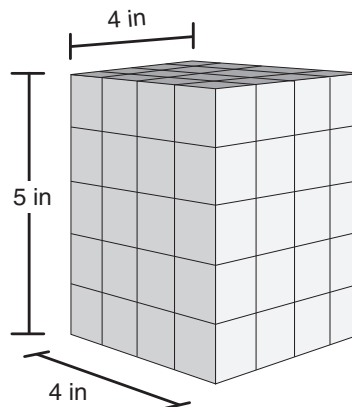
Week	Total Stars Rachel Earned	Total Stars Beth Earned
1	3	4
2	6	8
3	9	12
4	12	16
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ in<sup>3</sup>.



10.  $\frac{2}{3}$  of the kids at the party had balloons.  $\frac{1}{3}$  of the balloons were red. What fraction of the kids at the party had red balloons?  
\_\_\_\_\_ had red balloons.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 2**

11. Owen bought some fruit for \$3.94 and nuts for \$1.78. He paid with a \$10 bill. How much change would he get back?

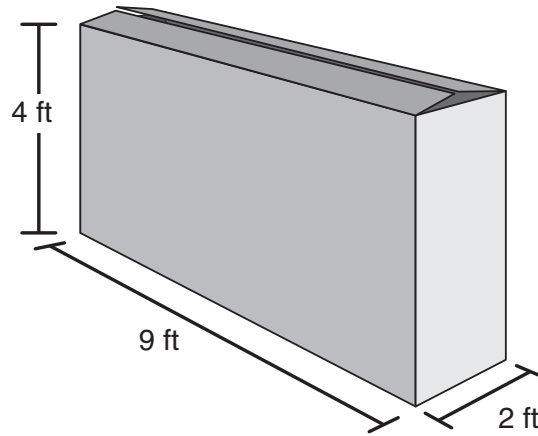
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$9 \times (2 + 2) + 5 = 41$$

13. The packing box is 2 feet wide, 9 feet long, and 4 feet tall. What is the volume of the packing box?

\_\_\_\_\_ ft<sup>3</sup>.



14. Your teacher has 89 crackers. They are divided equally among 10 children. How many crackers does each child get? Write your answer as a decimal. \_\_\_\_\_ crackers.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 5 by 5, then add 4: \_\_\_\_\_ = 5

16. How many pounds of dog food would each dog get if 3 dogs shared  $\frac{1}{4}$  of a pound of dog food? \_\_\_\_\_ of a pound.



**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 3**

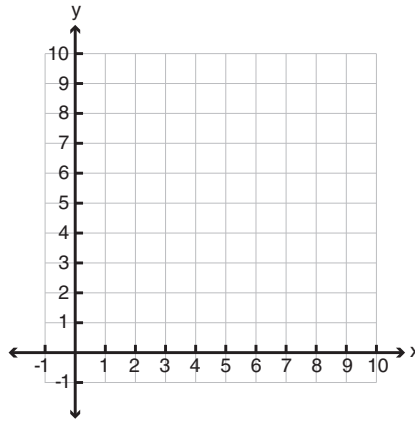
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
8.353		8.354
5.441		5.448
1.454		1.456

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (8, 1)
- B. (5, 6)
- C. (7, 5)
- D. (8, 9)



3. Solve:

$$6 \times (6 - 5) - 3 =$$

4. Kim looks in the fridge. She has 18 fluid ounces of milk, 14 fluid ounces of orange juice, and 16 fluid ounces of apple juice. How many cups of liquid does Kim have, if 1 cup = 8 fluid ounces? \_\_\_\_\_ cups.

5. Jesse is making a smoothie. She needs  $\frac{1}{5}$  cup of milk and  $\frac{3}{4}$  cup of bananas. How many total cups of ingredients does she need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
8.6134			
5.5218			

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 3**

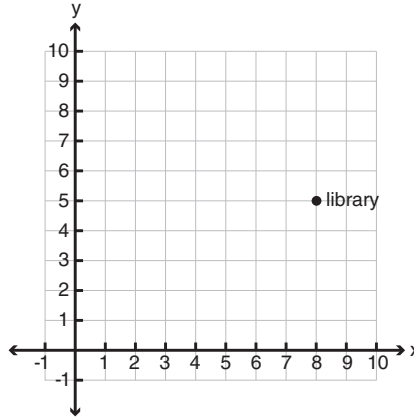
7. The library is represented by the ordered pair (8, 5).

Go up 2 units to a toy store.

Go left 3 units to the post office.

Go down 4 units to your house.

What ordered pair on the coordinate plane represents your house? ( \_\_\_\_, \_\_\_\_ )

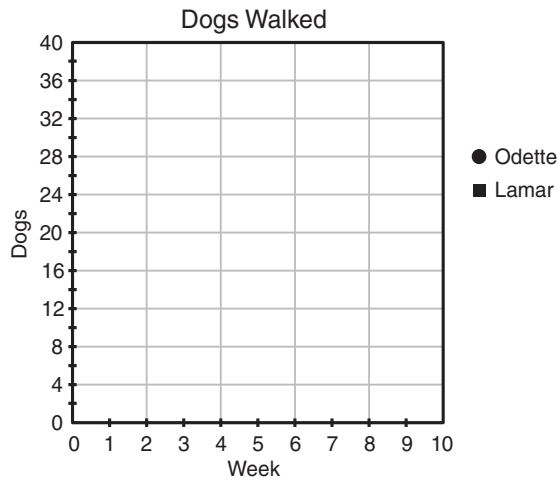


8. Odette and Lamar walked dogs.

A. Complete the table that represents the number of dogs each of them walked:

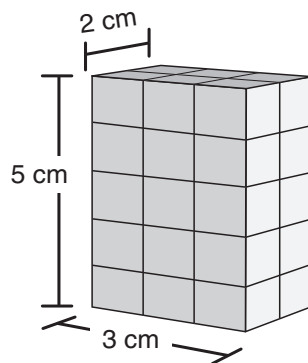
Week	Total Dogs Odette Walked	Total Dogs Lamar Walked
1	5	2
2	10	4
3	15	6
4	20	8
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_  $\text{cm}^3$ .



10.  $\frac{2}{5}$  of the of the animals at the zoo are fish.  $\frac{1}{3}$  of the fish are salmon. What fraction of the animals at the zoo are salmon?  
 \_\_\_\_\_ are salmon.

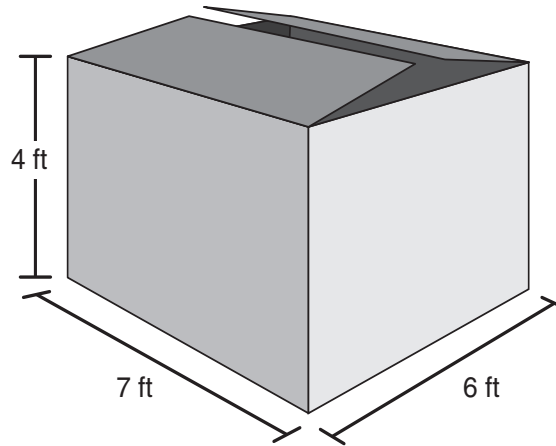
**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 3**

11. Catalina bought crackers for \$2.41 and cheese for \$1.86. She paid with a \$10 bill. How much change would she get back?  
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$8 \times (3 + 9) + 5 = 101$$

13. The large cardboard box is 6 feet wide,  
7 feet long, and 4 feet tall. What is  
the volume of the box?  
\_\_\_\_\_ ft<sup>3</sup>.



14. The baker has 64 grams of salt. The salt is divided equally among 10 recipes. How many grams of salt does each recipe get?  
Write your answer as a decimal. \_\_\_\_\_ grams of salt.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 8 by 4, then add 8: \_\_\_\_\_ = 10

16. How many gallons of lemonade would each person get if 3 people shared  $\frac{1}{6}$  of a gallon of lemonade equally?  
\_\_\_\_\_ of a gallon of lemonade.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 4**

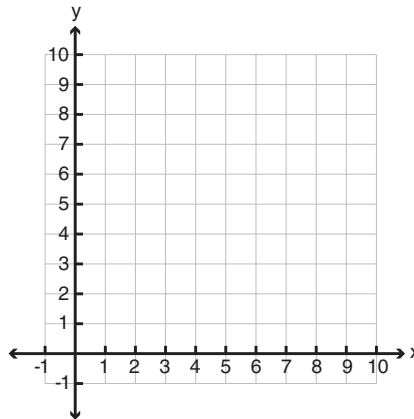
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
9.133		9.134
4.279		4.272
2.193		2.194

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (5, 7)
- B. (8, 6)
- C. (3, 8)
- D. (4, 9)



3. Solve:

$$7 \times (8 - 6) + 6 =$$

4. Matt made a smoothie. He used 5 fluid ounces of milk, 14 fluid ounces of orange juice, and 5 fluid ounces of grape juice. How many cups of liquid did Matt use, if 1 cup = 8 fluid ounces? \_\_\_\_\_ cups of liquid.

5. David is making cupcakes. He needs  $\frac{4}{7}$  of a cup of flour and  $\frac{1}{8}$  of a cup of salt. How many cups of ingredients does he need in total? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
6.6262			
6.2325			

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 4**

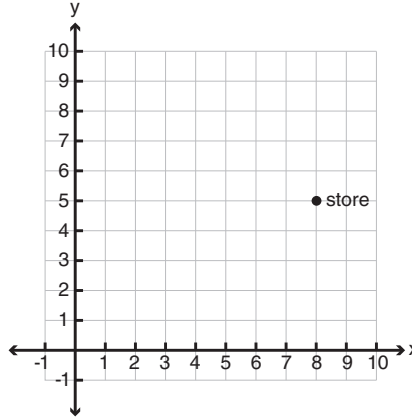
7. The store is represented by the ordered pair (8, 5).

Go left 6 units to your friend's house.

Go up 2 units to the playground.

Go right 4 units to the pool.

What ordered pair on the coordinate plane represents the pool? ( \_\_\_\_, \_\_\_\_ )

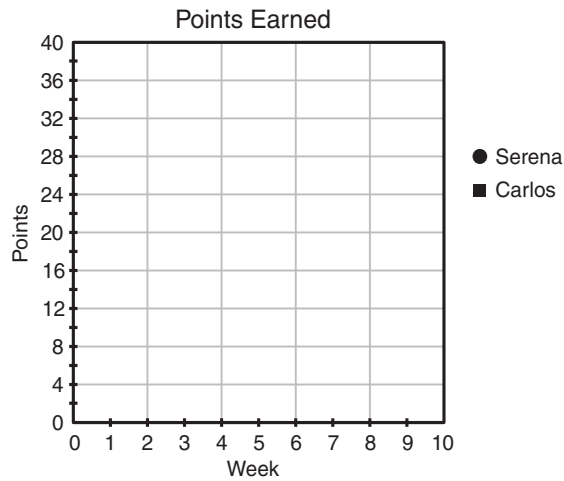


8. Serena and Carlos earned points for reading books.

A. Complete the table that represents the number of points each of them has earned:

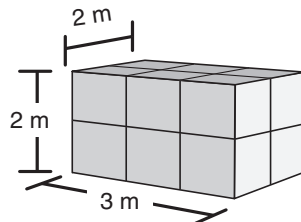
Week	Total Points Serena Earned	Total Points Carlos Earned
1	4	5
2	8	10
3	12	15
4	16	20
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ m<sup>3</sup>.



10.  $\frac{1}{3}$  of the students wore belts.  $\frac{2}{5}$  of the belts were brown. What fraction of the students wore brown belts?  
 \_\_\_\_\_ wore brown belts.

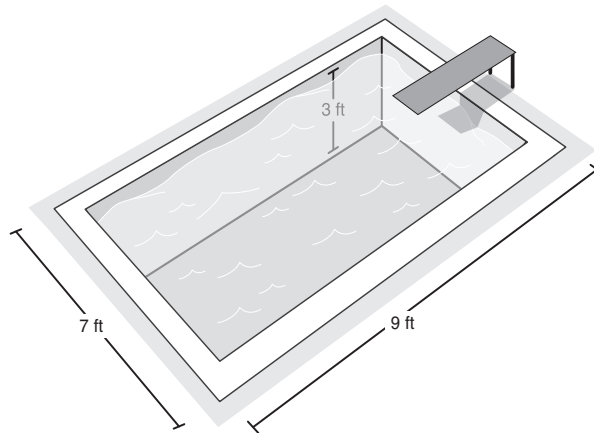
**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 4**

11. Alex bought some raisins for \$2.32 and grapes for \$2.14. She paid with a \$10 bill. How much change would she get back?  
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$5 \times (2 + 8) - 7 = 43$$

13. Your friend's swimming pool is 9 feet long, 7 feet wide, and 3 feet deep. What is the volume of the pool? \_\_\_\_\_  $\text{ft}^3$ .



14. There are 33 slices of pizza. They are divided equally among 10 children. How many slices of pizza does each child get?  
Write your answer as a decimal. \_\_\_\_\_ slices of pizza.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 6 by 2, then add 9: \_\_\_\_\_ = 12

16. How many pounds of bird seed would each bird get if 5 birds shared  $\frac{1}{4}$  of a pound of bird seed equally?  
\_\_\_\_\_ of a pound.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 5**

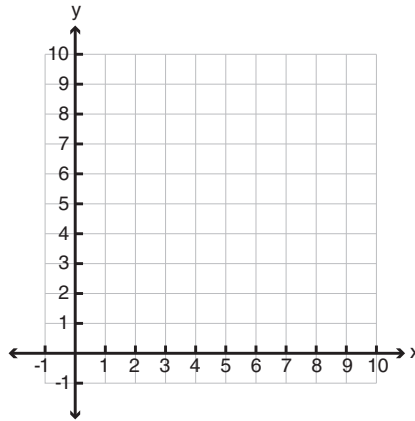
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
2.973		2.978
8.645		8.649
9.869		9.865

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (7, 7)
- B. (6, 9)
- C. (4, 6)
- D. (4, 7)



3. Solve:

$$6 \times (8 - 4) - 5 =$$

4. Lillian is a chef. She has 11 quarts of milk, 11 quarts of orange juice, and 18 quarts of grapefruit juice. How many gallons of liquid does Lillian have, if 1 gallon = 4 quarts? \_\_\_\_\_ gallons.

5. Joseph is making cookies. He needs  $\frac{3}{8}$  cup of cocoa and  $\frac{2}{5}$  cup of milk. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
5.7236			
8.6334			

# Acadience® Math / Concepts and Applications

## Level 5 / Progress Monitoring 5

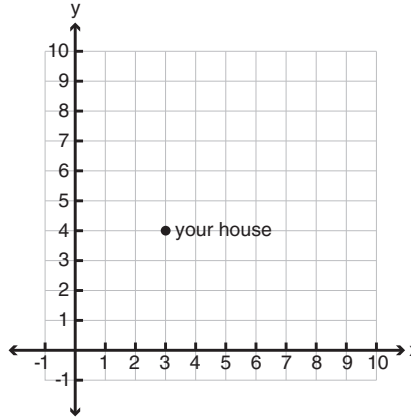
7. Your house is represented by the ordered pair (3, 4).

Go up 6 units to your friend's house.

Go left 1 unit to the park.

Go down 4 units to the ice cream shop.

What ordered pair on the coordinate plane represents the ice cream shop? ( \_\_\_\_, \_\_\_\_ )

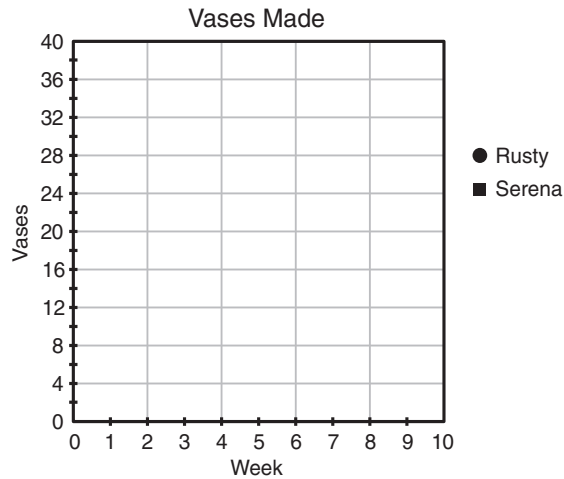


8. Rusty and Serena work on pottery.

A. Complete the table that represents the number of vases each of them has made:

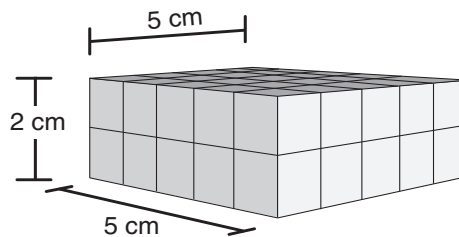
Week	Total Vases Rusty Made	Total Vases Serena Made
1	3	2
2	6	4
3	9	6
4	12	8
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_  $\text{cm}^3$ .



10.  $\frac{4}{7}$  of the cakes at the bakery are big.  $\frac{2}{3}$  of the big cakes are chocolate. What fraction of the cakes at the bakery are big chocolate cakes? \_\_\_\_\_ are big chocolate cakes.



**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 5**

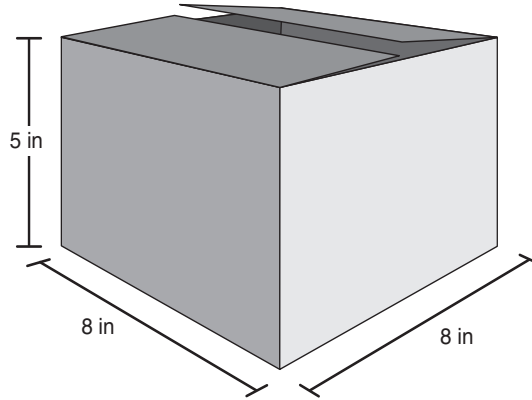
11. Sebastian bought gum for \$1.99 and a drink for \$1.77. He paid with a \$5 bill. How much change would he get back?

\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$3 \times 8 + 4 - 8 = 20$$

13. The package is 8 inches wide, 8 inches long, and 5 inches tall. What is the volume of the package? \_\_\_\_\_ in<sup>3</sup>.



14. The store has 35 pounds of cherries. The cherries are divided equally among 10 customers. How many pounds of cherries does each customer get? Write your answer as a decimal. \_\_\_\_\_ pounds.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 8 by 2, then add 9: \_\_\_\_\_ = 13

16. How many pounds of almonds would each person get if 5 people shared  $\frac{1}{5}$  of a pound of almonds equally?  
\_\_\_\_\_ of a pound of almonds.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 6**

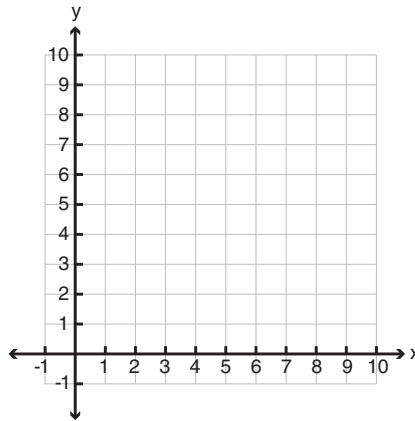
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
2.512		2.512
7.773		7.777
8.470		8.475

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (9, 7)
- B. (6, 6)
- C. (8, 1)
- D. (7, 8)



3. Solve:

$$8 \times (9 - 4) + 3 =$$

4. Cindy is making brownies. She uses 10 ounces of butter, 11 ounces of cocoa, and 11 ounces of sugar. How many pounds of ingredients does Cindy use, if 1 pound = 16 ounces? \_\_\_\_\_ pounds of ingredients.

5. Caleb ate  $\frac{1}{2}$  of a pizza and Sue ate  $\frac{1}{3}$  of a pizza. How much pizza did they eat in total? \_\_\_\_\_ of a pizza.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
1.1433			
7.2161			

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 6**

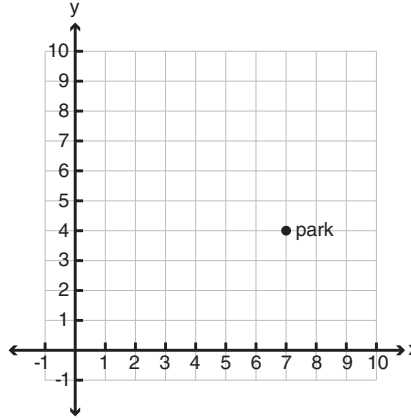
7. The park is represented by the ordered pair (7, 4).

Go down 2 units to your house.

Go left 4 units to the store.

Go up 6 units to the school.

What ordered pair on the coordinate plane represents the school? ( \_\_\_\_, \_\_\_\_ )

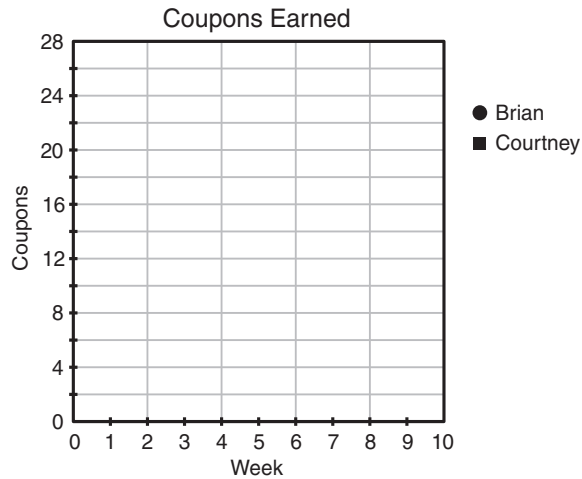


8. Brian and Courtney earned coupons for finishing their homework.

A. Complete the table that represents the number of coupons each of them has earned:

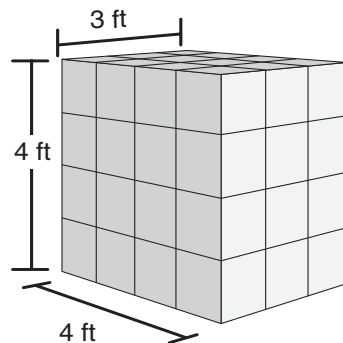
Week	Total Coupons Brian Earned	Total Coupons Courtney Earned
1	2	3
2	4	6
3	6	9
4	8	12
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ ft<sup>3</sup>.



10.  $\frac{1}{5}$  of the pets were cats.  $\frac{2}{3}$  of the cats were black. What fraction of the pets were black cats? \_\_\_\_\_ were black cats.

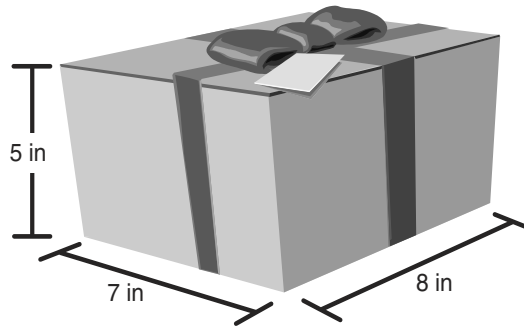
**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 6**

11. Amy bought a magazine for \$4.45 and a book for \$4.53. She paid with a \$10 bill. How much change would she get back?  
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$8 \times (6 + 6) - 3 = 93$$

13. The present is in a box that is 8 inches long, 7 inches wide, and 5 inches tall. What is the volume of the box? \_\_\_\_\_ in<sup>3</sup>.



14. Your teacher has 91 sheets of stickers. They are divided equally among 10 children. How many sheets of stickers does each child get? Write your answer as a decimal. \_\_\_\_\_ sheets of stickers.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 6 by 3, then add 8: \_\_\_\_\_ = 10

16. How many pounds of cat food would each cat get if 3 cats shared  $\frac{5}{6}$  of a pound of cat food equally?  
\_\_\_\_\_ of a pound.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 7**

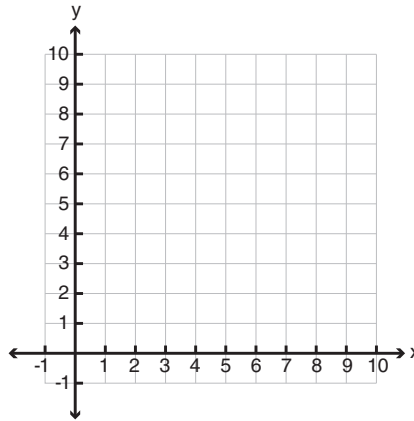
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
4.971		4.978
8.816		8.816
6.681		6.682

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (2, 9)
- B. (1, 5)
- C. (6, 4)
- D. (5, 6)



3. Solve:

$$7 \times (9 - 3) + 5 =$$

4. Helen is at a farm. She picked 15 ounces of strawberries, 9 ounces of cherries, and 8 ounces of raspberries. How many pounds does Helen have, if 1 pound = 16 ounces? \_\_\_\_\_ pounds.

5. Kate is making a sundae. She needs  $\frac{1}{2}$  cup of ice cream and  $\frac{1}{3}$  cup of chocolate sauce. How many total cups of ingredients does she need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
4.1342			
5.3614			

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 7**

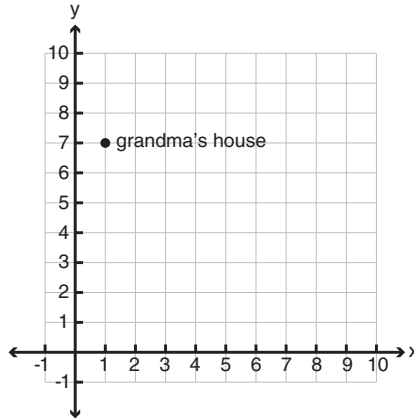
7. Your grandma's house is represented by the ordered pair (1, 7).

Go up 2 units to the pool.

Go right 6 units to the store.

Go down 5 units to your house.

What ordered pair on the coordinate plane represents your house? ( \_\_\_\_, \_\_\_\_ )

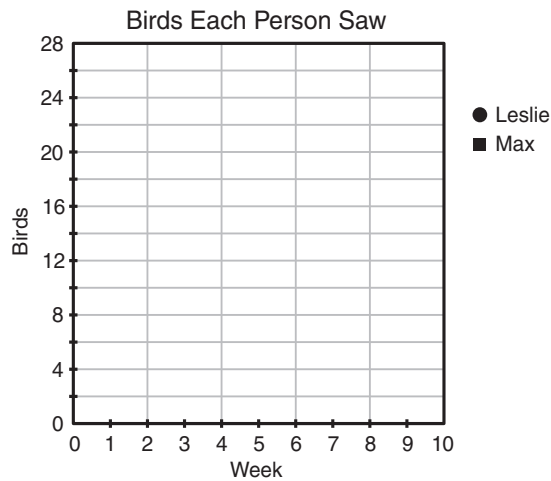


8. Leslie and Max like to go bird watching.

A. Complete the table that represents the number of birds each of them saw:

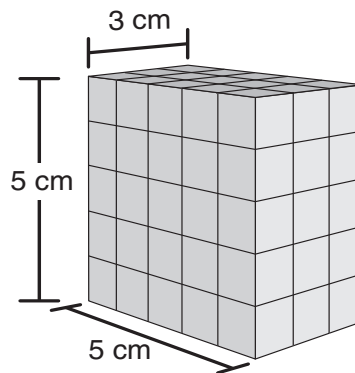
Week	Total Birds Leslie Saw	Total Birds Max Saw
1	2	3
2	4	6
3	6	9
4	8	12
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_  $\text{cm}^3$ .



10.  $\frac{1}{4}$  of the dogs are brown.  $\frac{5}{7}$  of the brown dogs have spots. What fraction of the dogs are brown and have spots?  
 \_\_\_\_\_ of the dogs are brown and have spots.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 7**

11. Lucas bought salsa for \$1.26 and chips for \$2.98. He paid with a \$10 bill. How much change would he get back?

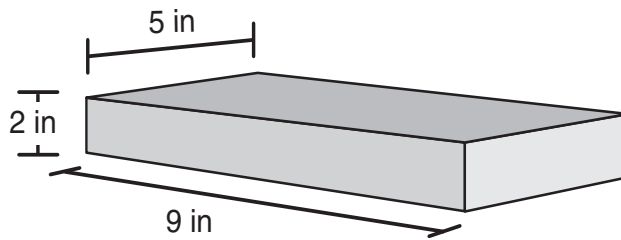
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$5 \times 9 + 9 + 8 = 62$$

13. The cutting board is 5 inches wide,  
9 inches long, and 2 inches tall.  
What is the volume of the cutting board?

\_\_\_\_\_ in<sup>3</sup>.



14. There are 75 units of soup. They are divided equally among 10 bowls. How many units of soup does each bowl get? Write your answer as a decimal. \_\_\_\_\_ units of soup.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 6 by 2, then add 9: \_\_\_\_\_ = 12

16. How many pounds of wheat would each chicken get if 4 chickens shared  $\frac{3}{5}$  of a pound of wheat equally?

\_\_\_\_\_ of a pound.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 8**

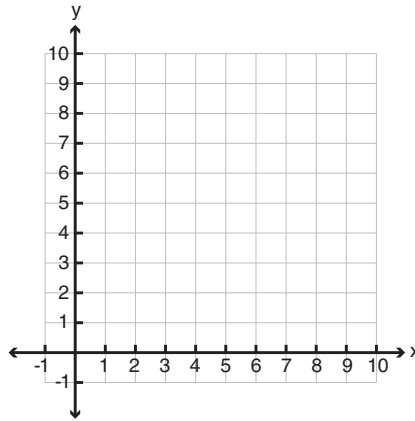
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
4.465		4.463
3.448		3.442
8.012		8.010

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (6, 4)
- B. (9, 6)
- C. (8, 7)
- D. (9, 1)



3. Solve:

$$9 \times (6 - 4) + 3 =$$

4. Luke is cooking. He has 5 teaspoons of salt, 19 teaspoons of flour, and 3 teaspoons of spices. How many tablespoons does Luke have, if 1 tablespoon = 3 teaspoons? \_\_\_\_\_ tablespoons.

5. Mike is making bread. He needs  $\frac{2}{3}$  cup of water and  $\frac{1}{8}$  cup of molasses. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
2.1754			
6.5865			



**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 8**

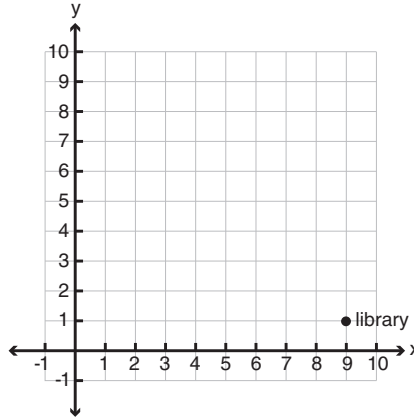
7. The library is represented by the ordered pair (9, 1).

Go up 4 units to the grocery store.

Go down 1 unit to your friend's house.

Go left 6 units to your house.

What ordered pair on the coordinate plane represents your house? ( \_\_\_\_, \_\_\_\_ )

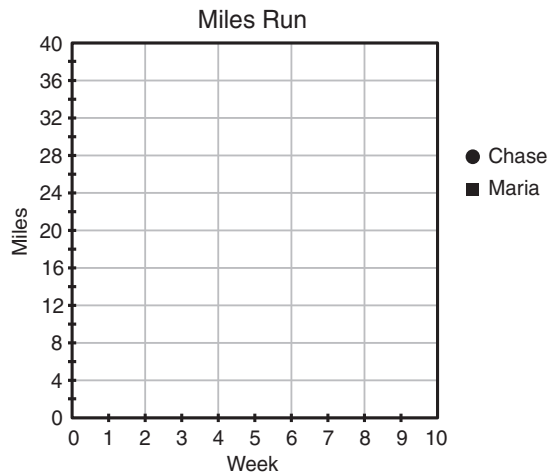


8. Chase and Maria go running each week.

A. Complete the table that represents the number of miles each of them ran:

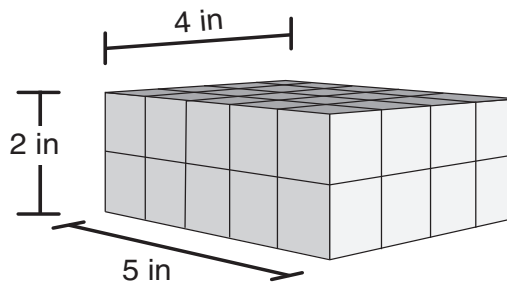
Week	Total Miles Chase Ran	Total Miles Maria Ran
1	2	4
2	4	8
3	6	12
4	8	16
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ in<sup>3</sup>.



10.  $\frac{1}{6}$  of the students are athletes.  $\frac{5}{7}$  of the athletes play in the fall. What fraction of the students are athletes that also play in the fall?  
 \_\_\_\_\_ are athletes that also play in the fall.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 8**

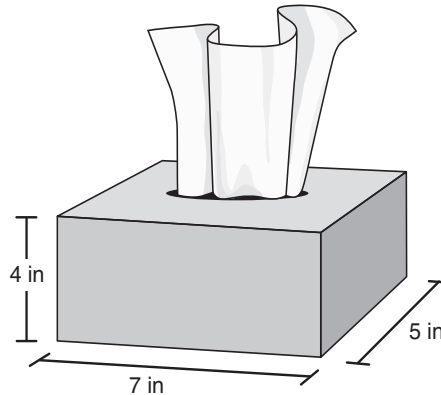
11. Elsa bought cheese for \$4.78 and potatoes for \$2.62. She paid with a \$10 bill. How much change would she get back?

\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$6 \times 8 + 8 - 8 = 48$$

13. The tissue box is 5 inches wide, 7 inches long, and 4 inches tall. What is the volume of the tissue box? \_\_\_\_\_ in<sup>3</sup>.



14. The summer camp counselor has 46 bags of beads. They are divided equally among 10 children. How many bags of beads does each child get? Write your answer as a decimal. \_\_\_\_\_ bags of beads.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 4 by 2, then add 9: \_\_\_\_\_ = 11

16. How many pounds of salt would each cook get if 3 cooks shared  $\frac{2}{3}$  of a pound of salt equally?  
\_\_\_\_\_ of a pound of salt.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 9**

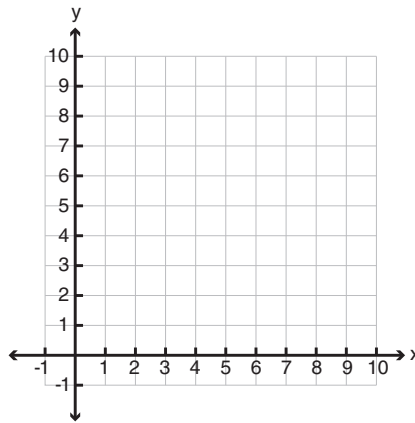
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
2.995		2.995
8.804		8.801
7.113		7.115

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (5, 9)
- B. (8, 9)
- C. (6, 7)
- D. (8, 5)



3. Solve:

$$7 \times (4 - 3) + 3 =$$

4. Jack is baking. He has 17 tablespoons of flour, 18 tablespoons of sugar, and 13 tablespoons of brown sugar. How many cups of ingredients does Jack have, if 1 cup = 16 tablespoons? \_\_\_\_\_ cups.

5. Xavier is making pancakes. He needs  $\frac{1}{4}$  cup of sugar and  $\frac{1}{7}$  cup of milk. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
2.7132			
6.4543			

# Acadience® Math / Concepts and Applications

## Level 5 / Progress Monitoring 9

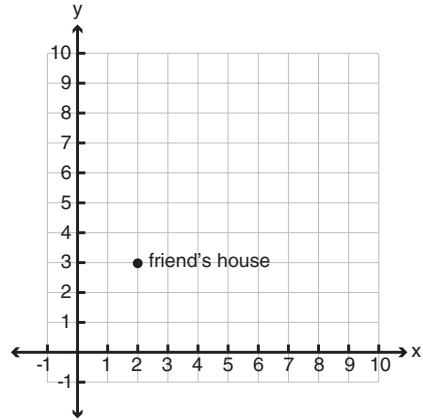
7. Your friend's house is represented by the ordered pair (2, 3).

Go up 7 units to your house.

Go right 4 units to the store.

Go down 5 units to the park.

What ordered pair on the coordinate plane represents the park? ( \_\_\_\_, \_\_\_\_ )

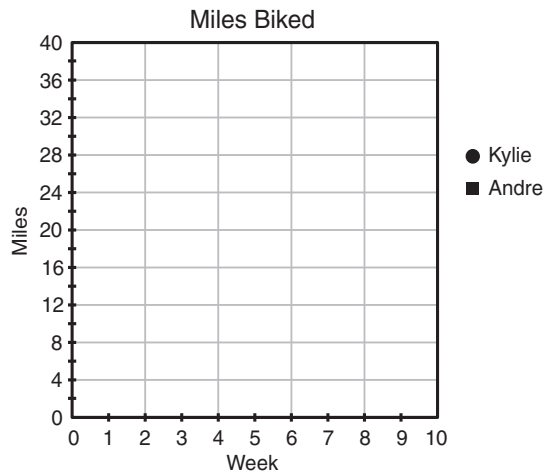


8. Kylie and Andre ride their bikes each week.

A. Complete the table that represents the number of miles each of them biked:

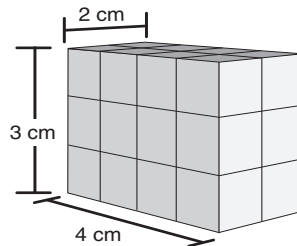
Week	Total Miles Kylie Biked	Total Miles Andre Biked
1	3	4
2	6	8
3	9	12
4	12	16
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_  $\text{cm}^3$ .



10.  $\frac{1}{4}$  of the cats are long-haired.  $\frac{3}{8}$  of the long-haired cats are orange. What fraction of the cats are long-haired orange cats?  
\_\_\_\_\_ are long-haired orange cats.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 9**

11. Anna bought bread for \$3.57 and butter for \$3.53. She paid with a \$10 bill. How much change would she get back?

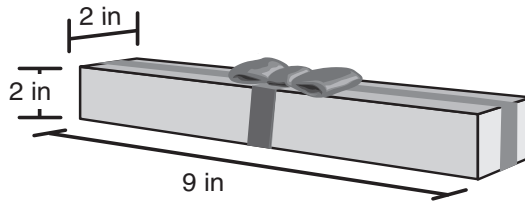
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$9 \times 9 + 4 + 6 = 91$$

13. The present is 2 inches wide,  
9 inches long, and 2 inches tall.  
What is the volume of the present?

\_\_\_\_\_ in<sup>3</sup>.



14. The sewing store has 13 yards of fabric. The fabric is divided equally among 10 customers. How many yards of fabric does each customer get? Write your answer as a decimal. \_\_\_\_\_ yards of fabric.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 6 by 2, then add 7: \_\_\_\_\_ = 10

16. How many pounds of sugar would each person get if 3 people shared  $\frac{1}{2}$  of a pound of sugar equally?  
\_\_\_\_\_ of a pound of sugar.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 10**

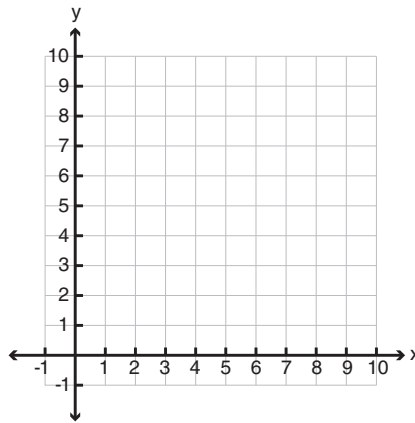
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
5.116		5.111
9.606		9.606
6.513		6.514

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (1, 5)
- B. (6, 7)
- C. (4, 1)
- D. (2, 6)



3. Solve:

$$8 \times (4 - 3) + 4 =$$

4. Aiden is baking. He has 4 tablespoons of water, 20 tablespoons of flour, and 8 tablespoons of sugar. How many cups of ingredients does Aiden have, if 1 cup = 16 tablespoons? \_\_\_\_\_ cups.

5. Jeremiah is making waffles. He needs  $\frac{1}{3}$  cup of sugar and  $\frac{1}{6}$  cup of milk. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
3.5627			
5.7851			

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 10**

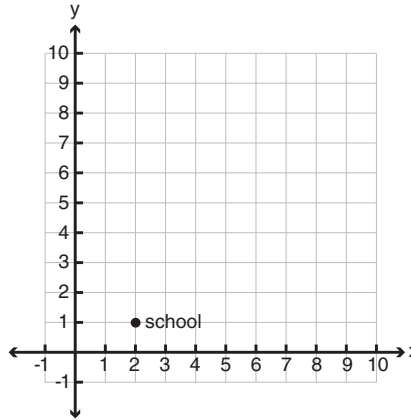
7. Your school is represented by the ordered pair (2, 1).

Go up 8 units to your friend's house.

Go right 7 units to the store.

Go down 6 units to your house.

What ordered pair on the coordinate plane represents your house? ( \_\_\_\_, \_\_\_\_ )



8. Ruby and Ian go hiking each week.

A. Complete the table that represents the number of miles each of them hiked:

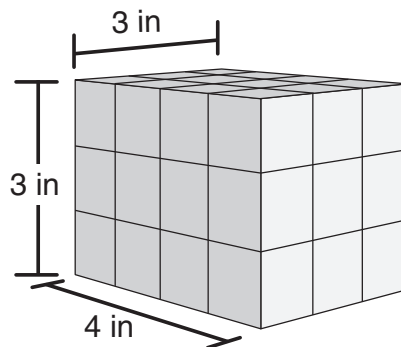
Week	Total Miles Ruby Hiked	Total Miles Ian Hiked
1	4	3
2	8	6
3	12	9
4	16	12
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ in<sup>3</sup>.



10.  $\frac{3}{4}$  of the dogs are orange.  $\frac{1}{5}$  of the orange dogs are barking. What fraction of the orange dogs are barking?  
 \_\_\_\_\_ are orange dogs that are barking.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 10**

11. Amelia bought a newspaper for \$1.89 and gum for \$1.67. She paid with a \$10 bill. How much change would she get back?

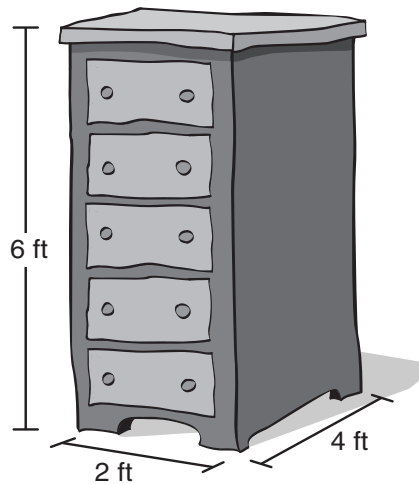
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$4 \times 5 + 8 + 5 = 33$$

13. The dresser is 2 feet wide, 4 feet long, and 6 feet tall. What is the volume of the dresser?

\_\_\_\_\_ ft<sup>3</sup>.



14. The teacher has 72 feet of tape. The tape is divided equally among 10 students. How many feet of tape does each student get?  
Write your answer as a decimal. \_\_\_\_\_ feet of tape.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 6 by 3, then add 5: \_\_\_\_\_ = 7

16. How many gallons of milk would each person get if 4 people shared  $\frac{7}{8}$  of a gallon of milk equally?  
\_\_\_\_\_ of a gallon of milk.



**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 11**

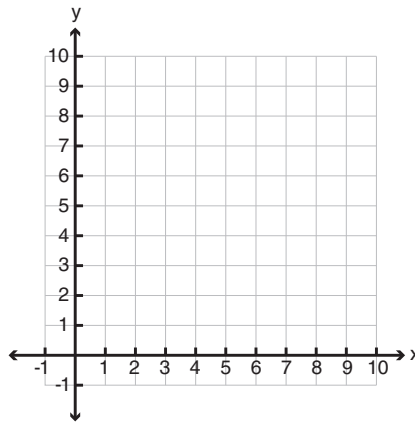
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
8.686		8.688
8.994		8.999
6.125		6.124

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (4, 6)
- B. (5, 1)
- C. (1, 2)
- D. (8, 1)



3. Solve:

$$6 \times (7 - 5) + 9 =$$

4. Fran is cooking. She has 11 ounces of chicken, 17 ounces of tomatoes, and 20 ounces of spinach. How many pounds of ingredients does Fran have, if 1 pound = 16 ounces? \_\_\_\_\_ pounds.

5. Suzy is making pizza. She needs  $\frac{1}{3}$  cup of sauce and  $\frac{3}{5}$  cup of cheese. How many total cups of ingredients does she need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
6.8331			
6.5347			

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 11**

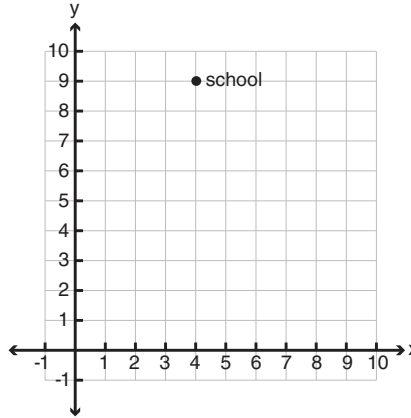
7. Your school is represented by the ordered pair (4, 9).

Go down 3 units to your aunt's house.

Go right 5 units to the store.

Go up 4 units to your house.

What ordered pair on the coordinate plane represents your house? ( \_\_\_\_, \_\_\_\_ )

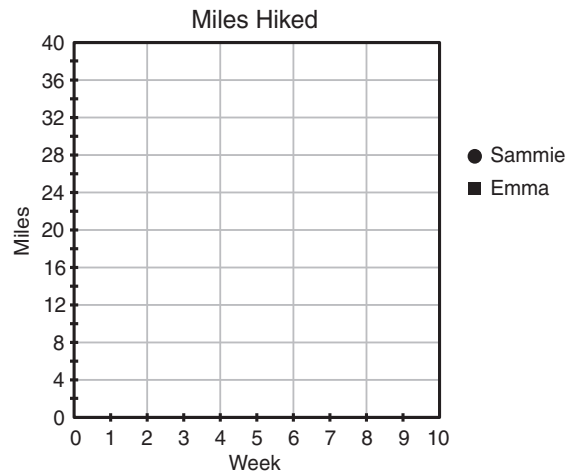


8. Sammie and Emma go hiking each week.

A. Complete the table that represents the number of miles each of them hiked:

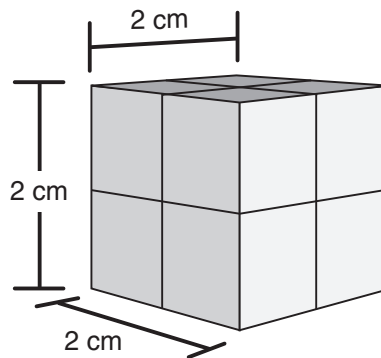
Week	Total Miles Sammie Hiked	Total Miles Emma Hiked
1	4	3
2	8	6
3	12	9
4	16	12
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_  $\text{cm}^3$ .



10.  $\frac{5}{6}$  of the cats at the shelter were black.  $\frac{1}{4}$  of the black cats at the shelter had white paws. What fraction of the cats at the shelter were black with white paws? \_\_\_\_\_ were black cats with white paws.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 11**

11. Vincent bought some gum for \$1.15 and juice for \$1.97. He paid with a \$5 bill. How much change would he get back?

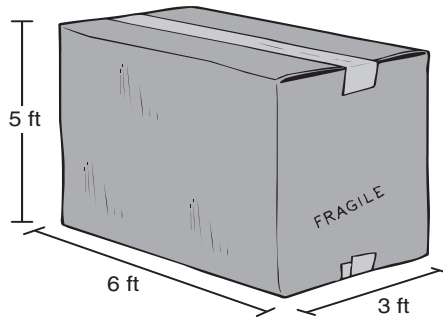
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$8 \times 5 + 6 - 9 = 37$$

13. The cardboard box is 3 feet wide, 6 feet long, and 5 feet tall. What is the volume of the cardboard box?

\_\_\_\_\_ ft<sup>3</sup>.



14. There are 15 pounds of corn. The corn is divided equally among 10 chickens. How many pounds of corn does each chicken get? Write your answer as a decimal. \_\_\_\_\_ pounds of corn.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 8 by 4, then add 7: \_\_\_\_\_ = 9

16. How many gallons of water would each person get if 3 people shared  $\frac{4}{7}$  of a gallon of water equally?  
\_\_\_\_\_ of a gallon of water.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 12**

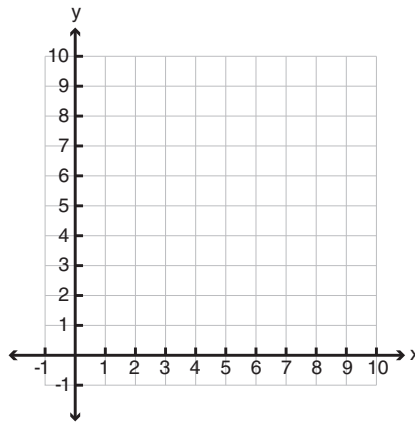
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
5.336		5.334
5.585		5.586
8.612		8.615

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (7, 9)
- B. (5, 8)
- C. (5, 3)
- D. (7, 2)



3. Solve:

$$6 \times (9 - 4) + 6 =$$

4. Ben is cooking. He has 19 teaspoons of sugar, 3 teaspoons of salt, and 5 teaspoons of pepper. How many tablespoons of ingredients does Ben have, if 1 tablespoon = 3 teaspoons? \_\_\_\_\_ tablespoons.

5. Clark is making pancakes. He needs  $\frac{1}{2}$  cup of sugar and  $\frac{2}{7}$  cup of milk. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
7.4821			
3.6265			

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 12**

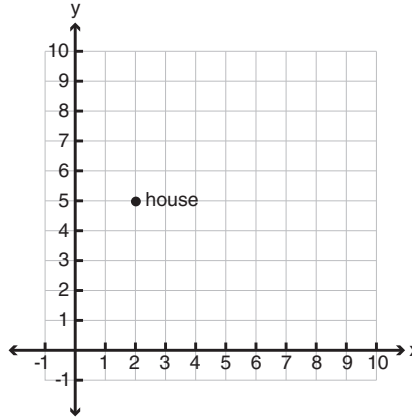
7. Your house is represented by the ordered pair (2, 5).

Go up 4 units to your friend's house.

Go right 1 unit to the store.

Go down 2 units to the library.

What ordered pair on the coordinate plane represents the library? ( \_\_\_\_, \_\_\_\_ )

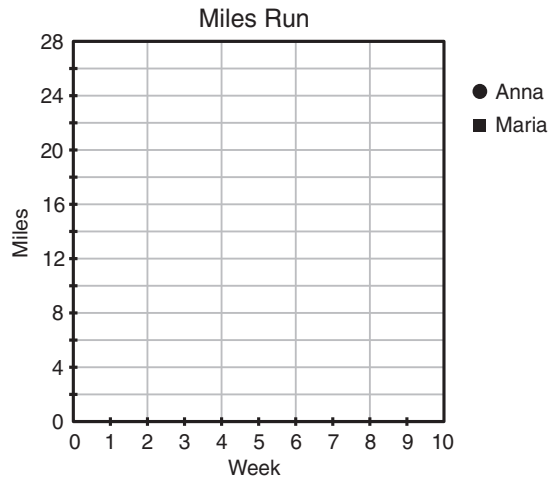


8. Anna and Maria go running each week.

A. Complete the table that represents the number of miles each of them ran:

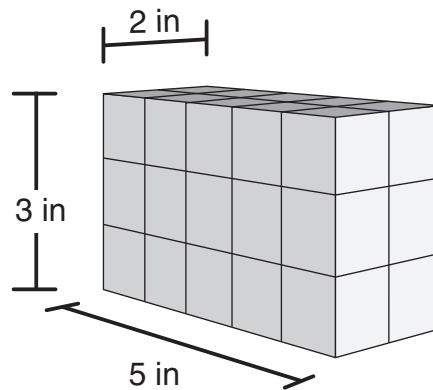
Week	Total Miles Anna Ran	Total Miles Maria Ran
1	3	2
2	6	4
3	9	6
4	12	8
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ in<sup>3</sup>.



10.  $\frac{1}{7}$  of the children at the party wore hats.  $\frac{5}{8}$  of the children wearing hats also wore scarves. What fraction of the children at the party wore both hats and scarves? \_\_\_\_\_ wore both hats and scarves.

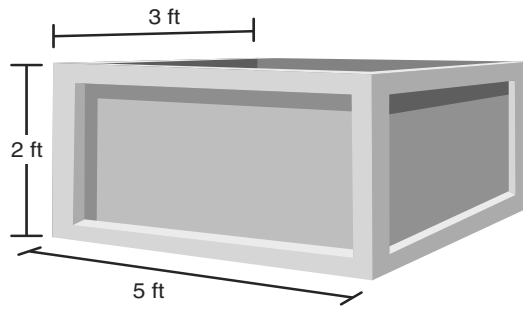
**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 12**

11. Jack bought some crackers for \$2.75 and cheese for \$3.36. He paid with a \$10 bill. How much change would he get back?  
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$3 \times (3 + 7) + 2 = 32$$

13. The toy box is 5 feet wide, 3 feet long, and 2 feet tall. What is the volume of the toy box?  
\_\_\_\_\_ ft<sup>3</sup>.



14. The art teacher has 52 feet of tape. The tape is divided equally among 10 children. How many feet of tape does each child get?  
Write your answer as a decimal. \_\_\_\_\_ feet of tape.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 8 by 4, then add 3: \_\_\_\_\_ = 5

16. How many gallons of juice would each person get if 3 people shared  $\frac{7}{8}$  of a gallon of juice equally?  
\_\_\_\_\_ of a gallon of juice.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 13**

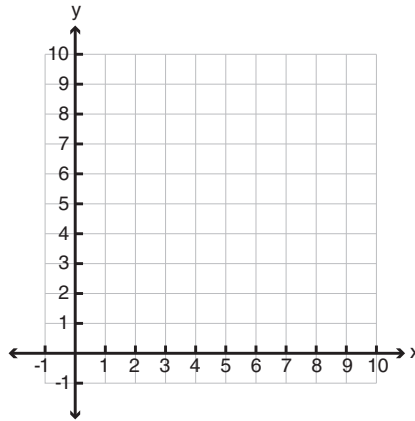
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
2.598		2.592
5.691		5.691
9.221		9.228

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (9, 1)
- B. (3, 8)
- C. (4, 3)
- D. (4, 1)



3. Solve:

$$8 \times (5 - 3) + 4 =$$

4. Chris is baking. He uses 2 ounces of salt, 20 ounces of flour, and 10 ounces of corn meal. How many pounds of ingredients does Chris have, if 1 pound = 16 ounces? \_\_\_\_\_ pounds.

5. Eric is making cake. He needs  $\frac{5}{8}$  cup of flour and  $\frac{1}{3}$  cup of milk. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
3.4678			
8.4112			

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 13**

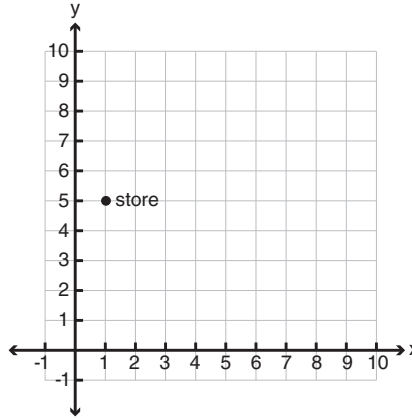
7. The store is represented by the ordered pair (1, 5).

Go up 1 unit to your friend's house.

Go right 8 units to the library.

Go down 3 units to your house.

What ordered pair on the coordinate plane represents your house? ( \_\_\_\_, \_\_\_\_ )

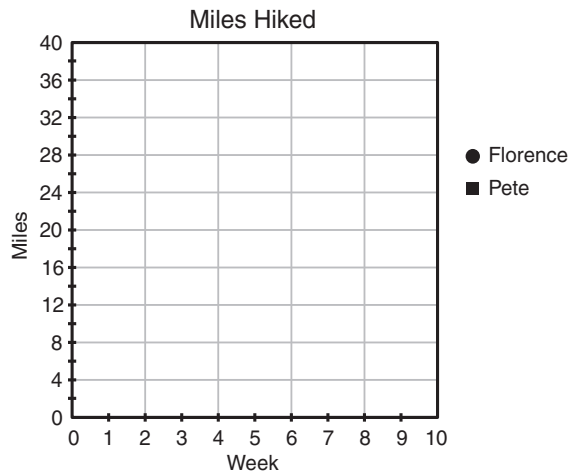


8. Florence and Pete go hiking each week.

A. Complete the table that represents the number of miles each of them hiked:

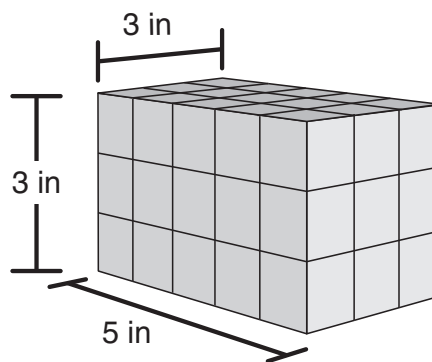
Week	Total Miles Florence Hiked	Total Miles Pete Hiked
1	4	5
2	8	10
3	12	15
4	16	20
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ in<sup>3</sup>.



10.  $\frac{3}{7}$  of the students played sports.  $\frac{1}{5}$  of the students who played sports were on the track team. What fraction of the students were on the track team? \_\_\_\_\_ were on the track team.



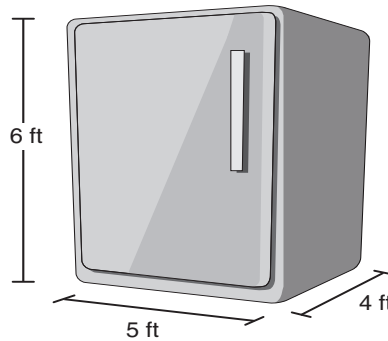
**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 13**

11. Clay bought the newspaper for \$1.89 and gum for \$3.33. He paid with a \$10 bill. How much change would he get back?  
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$2 \times (5 + 7) + 2 = 26$$

13. The freezer is 4 feet wide, 5 feet long, and 6 feet tall. What is the volume of the freezer?  
\_\_\_\_\_ ft<sup>3</sup>.



14. The farmer has 58 pounds of apples. The apples are divided equally among 10 neighbors. How many pounds of apples does each neighbor get? Write your answer as a decimal. \_\_\_\_\_ pounds of apples.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 9 by 3, then add 4: \_\_\_\_\_ = 7

16. How many ounces of salt would each person get if 5 people shared  $\frac{4}{7}$  of an ounce of salt equally?  
\_\_\_\_\_ of an ounce of salt.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 14**

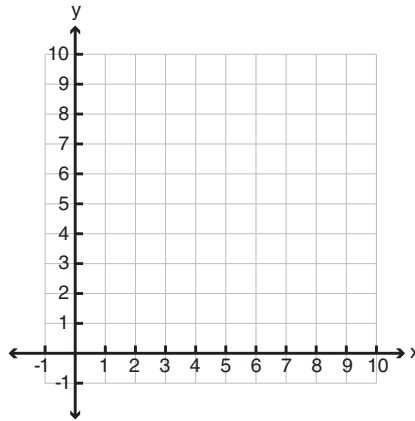
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
9.194		9.193
4.256		4.258
5.639		5.637

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (4, 9)
- B. (3, 4)
- C. (5, 1)
- D. (5, 9)



3. Solve:

$$5 \times (8 - 4) + 3 =$$

4. John is baking. He has 19 tablespoons of flour, 8 tablespoons of sugar, and 5 tablespoons of butter. How many cups of ingredients does John have, if 1 cup = 16 tablespoons? \_\_\_\_\_ cups.

5. Noah is making tacos. He needs  $\frac{2}{3}$  cup of beans and  $\frac{1}{5}$  cup of cheese. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
4.4548			
6.6765			

# Acadience® Math / Concepts and Applications

## Level 5 / Progress Monitoring 14

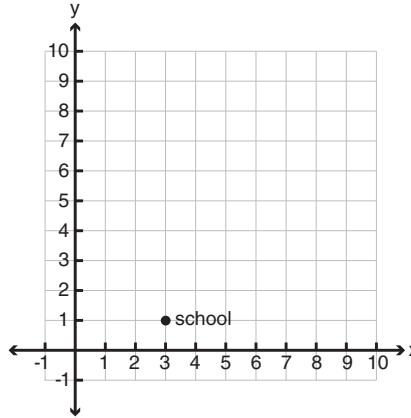
7. Your school is represented by the ordered pair (3, 1).

Go up 3 units to your friend's house.

Go right 5 units to the store.

Go down 1 unit to the library.

What ordered pair on the coordinate plane represents the library? ( \_\_\_\_, \_\_\_\_ )

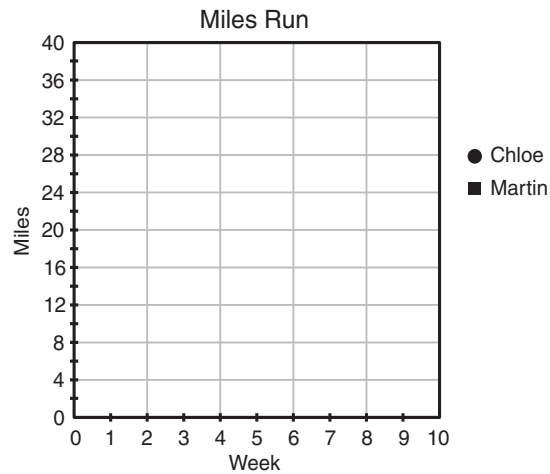


8. Chloe and Martin go running each week.

A. Complete the table that represents the number of miles each of them ran:

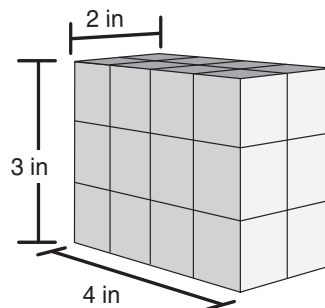
Week	Total Miles Chloe Ran	Total Miles Martin Ran
1	3	4
2	6	8
3	9	12
4	12	16
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ in<sup>3</sup>.



10.  $\frac{1}{5}$  of the children at the party wore flip flops.  $\frac{3}{8}$  of the children wearing flip flops also wore shorts. What fraction of the children at the party are wearing flip flops and shorts? \_\_\_\_\_ are wearing flip flops and shorts.

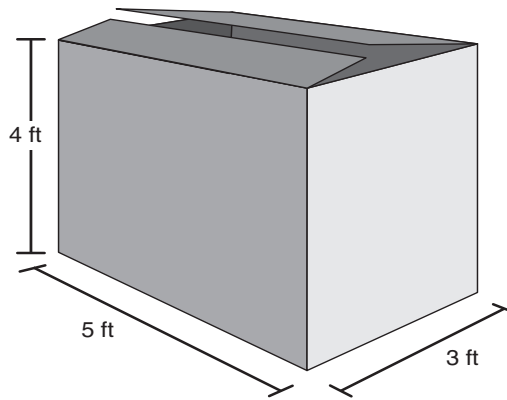
**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 14**

11. Carlos bought some juice for \$1.42 and cheese for \$1.89. He paid with a \$5 bill. How much change would he get back?  
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$7 \times (2 + 6) + 9 = 65$$

13. The cardboard box is 3 feet wide, 5 feet long, and 4 feet tall. What is the volume of the cardboard box?  
\_\_\_\_\_ ft<sup>3</sup>.



14. The art teacher has 83 feet of ribbon. The ribbon is divided equally among 10 children. How many feet of ribbon does each child get? Write your answer as a decimal. \_\_\_\_\_ feet of ribbon.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 8 by 4, then add 7: \_\_\_\_\_ = 9

16. How many pounds of oranges would each person get if 2 people shared  $\frac{1}{4}$  of a pound of oranges equally?  
\_\_\_\_\_ of a pound of oranges.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 15**

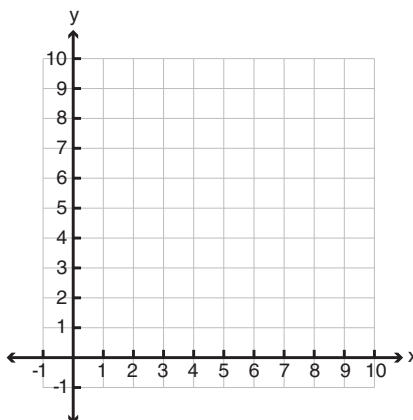
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
1.891		1.894
8.841		8.840
5.906		5.906

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (2, 9)
- B. (7, 6)
- C. (3, 2)
- D. (5, 7)



3. Solve:

$$3 \times (9 - 6) + 7 =$$

4. George is cooking. He has 5 ounces of tomatoes, 17 ounces of noodles, and 10 ounces of cheese. How many pounds of ingredients does George have, if 1 pound = 16 ounces? \_\_\_\_\_ pounds.

5. Sophia is making muffins. She needs  $\frac{1}{5}$  cup of milk and  $\frac{3}{4}$  cup of flour. How many total cups of ingredients does she need?  
 \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
3.3482			
3.7627			

# Acadience® Math / Concepts and Applications

## Level 5 / Progress Monitoring 15

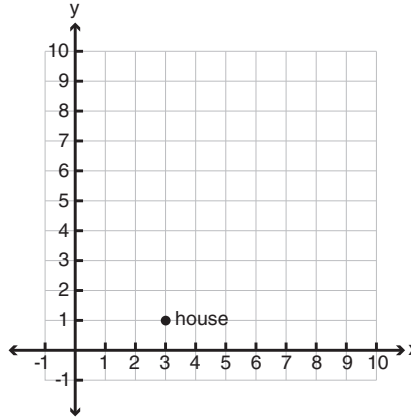
7. Your house is represented by the ordered pair (3, 1).

Go up 6 units to your grandma's house.

Go right 1 unit to the library.

Go down 4 units to the mall.

What ordered pair on the coordinate plane represents the mall? ( \_\_\_\_, \_\_\_\_ )

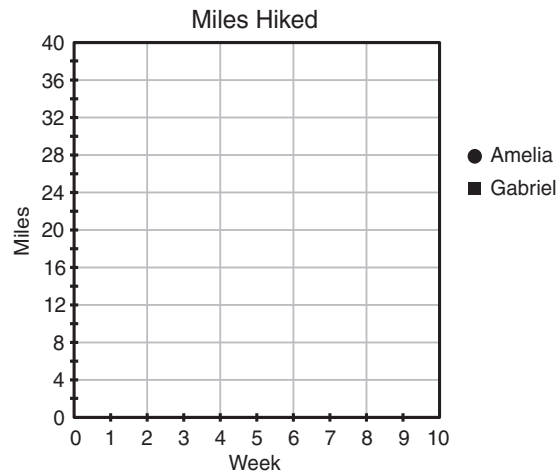


8. Amelia and Gabriel go hiking each week.

A. Complete the table that represents the number of miles each of them hiked:

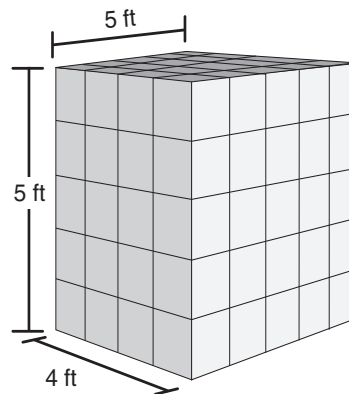
Week	Total Miles Amelia Hiked	Total Miles Gabriel Hiked
1	4	2
2	8	4
3	12	6
4	16	8
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ ft<sup>3</sup>.



10.  $\frac{1}{5}$  of the people at the museum wore hats.  $\frac{3}{7}$  of the people wearing hats also wore boots. What fraction of the people at the museum wore hats and boots? \_\_\_\_\_ wore hats and boots.

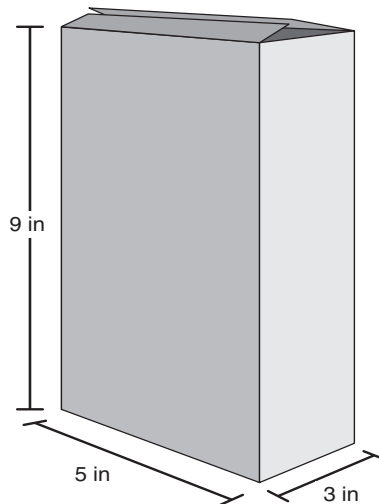
**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 15**

11. Ben bought some pens for \$4.14 and paper for \$2.97. He paid with a \$10 bill. How much change would he get back?  
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$4 \times 2 + 2 + 6 = 16$$

13. The cereal box is 3 inches wide,  
5 inches long, and 9 inches tall.  
What is the volume of the cereal box?  
\_\_\_\_\_ in<sup>3</sup>.



14. The boat captain has 78 yards of rope. The rope is divided equally among 10 sailors. How many yards of rope does each sailor get? Write your answer as a decimal. \_\_\_\_\_ yards of rope.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 9 by 3, then add 5: \_\_\_\_\_ = 8

16. How many gallons of tea would each person get if 3 people shared  $\frac{1}{5}$  of a gallon of tea equally?  
\_\_\_\_\_ of a gallon of tea.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 16**

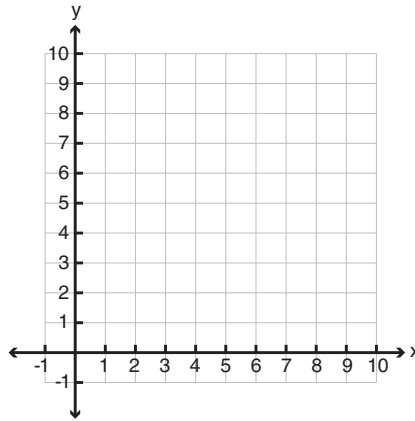
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
9.151		9.156
1.480		1.488
8.275		8.271

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (2, 3)
- B. (2, 6)
- C. (9, 8)
- D. (3, 9)



3. Solve:

$$6 \times (8 - 3) + 6 =$$

4. Sam is cooking. He has 7 teaspoons of butter, 12 teaspoons of herbs, and 11 teaspoons of tomato paste. How many tablespoons of ingredients does Sam have, if 1 tablespoon = 3 teaspoons? \_\_\_\_\_ tablespoons.

5. Liam is making breakfast. He needs  $\frac{3}{5}$  cup of oatmeal and  $\frac{2}{7}$  cup of milk. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
8.5874			
4.2563			



**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 16**

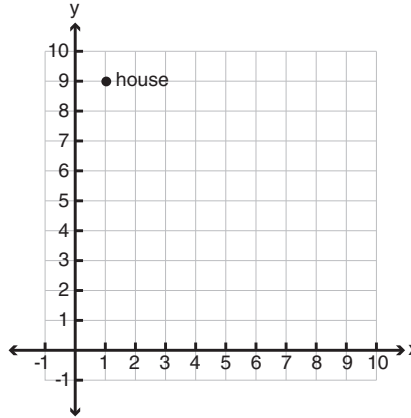
7. Your house is represented by the ordered pair (1, 9).

Go down 6 units to the library.

Go right 8 units to the store.

Go up 3 units to your friend's house.

What ordered pair on the coordinate plane represents your friend's house? ( \_\_\_\_, \_\_\_\_ )

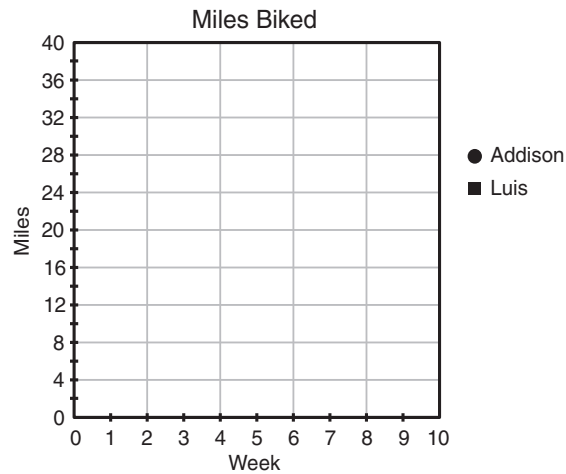


8. Addison and Luis go biking each week.

A. Complete the table that represents the number of miles each of them biked:

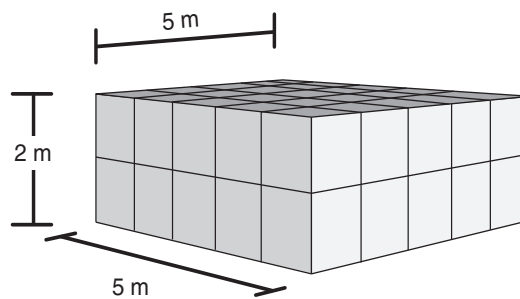
Week	Total Miles Addison Biked	Total Miles Luis Biked
1	5	4
2	10	8
3	15	12
4	20	16
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ m<sup>3</sup>.



10.  $\frac{1}{2}$  of all of the animals at the shelter are dogs.  $\frac{5}{8}$  of the dogs are black. What fraction of all of the animals at the shelter are black dogs? \_\_\_\_\_ are black dogs.

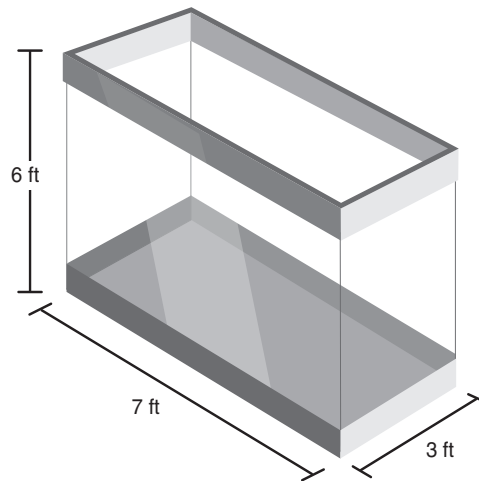
**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 16**

11. Jane bought a pencil for \$1.72 and a notebook for \$2.49. She paid with a \$10 bill. How much change would she get back?  
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$4 \times 9 + 4 - 5 = 35$$

13. The fish tank is 3 feet wide, 7 feet long, and 6 feet tall. What is the volume of the fish tank?  
\_\_\_\_\_ ft<sup>3</sup>.



14. The art teacher has 76 bags of stamps. The bags of stamps are divided equally among 10 children. How many bags of stamps does each child get? Write your answer as a decimal. \_\_\_\_\_ bags of stamps.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 6 by 3, then add 7: \_\_\_\_\_ = 9

16. How many pounds of peanuts would each person get if 5 people shared  $\frac{4}{7}$  of a pound of peanuts equally?  
\_\_\_\_\_ of a pound of peanuts.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 17**

**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
8.514		8.515
5.966		5.966
3.148		3.149

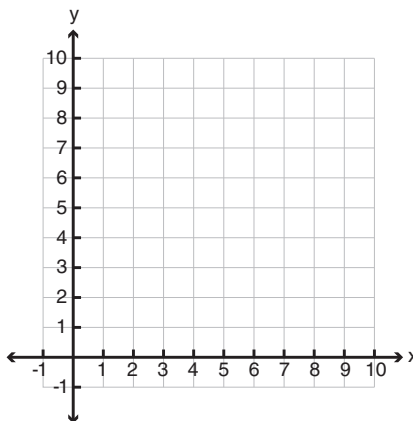
2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

A. (2, 8)

B. (3, 2)

C. (7, 4)

D. (6, 7)



3. Solve:

$$7 \times (8 - 3) + 9 =$$

4. Landon is cooking soup. He has 15 pints of vegetable broth, 19 pints of milk, and 14 pints of tomato juice. How many gallons does Landon have, if 1 gallon = 8 pints? \_\_\_\_\_ gallons.

5. Matt is making breakfast. He needs  $\frac{3}{5}$  cup of cereal and  $\frac{1}{3}$  cup of milk. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
7.6146			
7.8152			

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 17**

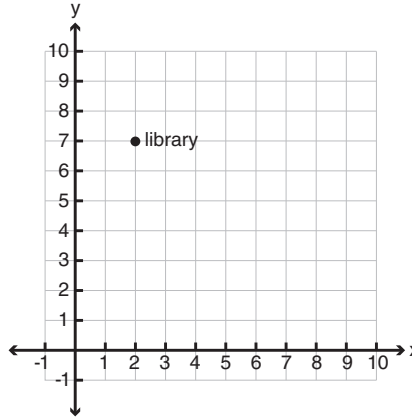
7. The library is represented by the ordered pair (2, 7).

Go down 5 units to your house.

Go right 7 units to the store.

Go up 2 units to the post office.

What ordered pair on the coordinate plane represents the post office? ( \_\_\_\_, \_\_\_\_ )

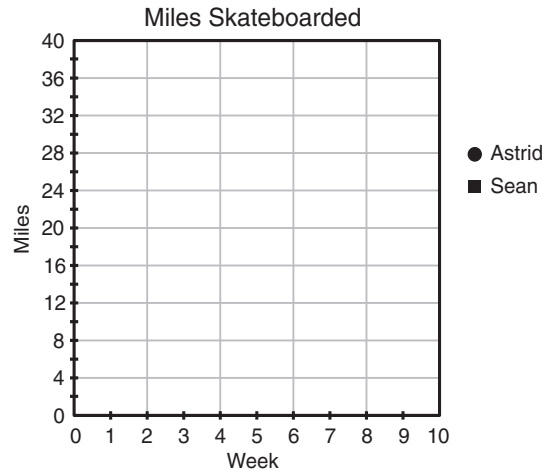


8. Astrid and Sean go skateboarding each week.

A. Complete the table that represents the number of miles each of them skateboarded:

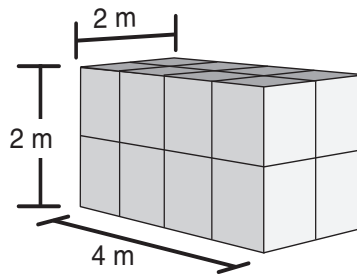
Week	Total Miles Astrid Skateboarded	Total Miles Sean Skateboarded
1	3	4
2	6	8
3	9	12
4	12	16
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ m<sup>3</sup>.



10.  $\frac{1}{6}$  of all of the children at the school have a pet.  $\frac{1}{5}$  of the pets are fish. What fraction of all of the children at the school have a pet fish? \_\_\_\_\_ have a pet fish.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 17**

11. Natalia bought tea for \$3.96 and coffee for \$4.98. She paid with a \$10 bill. How much change would she get back?

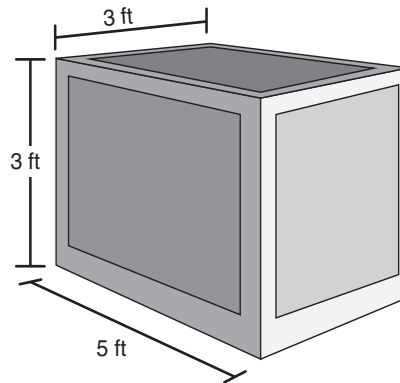
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$7 \times 2 + 6 - 3 = 17$$

13. The crate is 3 feet wide, 5 feet long, and 3 feet tall. What is the volume of the crate?

\_\_\_\_\_  $\text{ft}^3$ .



14. The chef has 76 ounces of green beans. The green beans are divided equally on 10 plates. How many ounces of green beans does each plate get? Write your answer as a decimal. \_\_\_\_\_ ounces of green beans.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 9 by 3, then add 4: \_\_\_\_\_ = 7

16. How many pounds of food would each dog get if 3 dogs shared  $\frac{5}{7}$  of a pound of food equally?  
\_\_\_\_\_ of a pound of food.

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 18**

**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
4.010		4.018
4.700		4.709
8.713		8.717

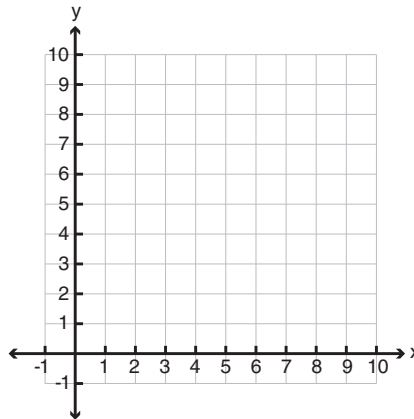
2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

A. (7, 7)

B. (2, 9)

C. (7, 2)

D. (8, 1)



3. Solve:

$$5 \times (9 - 4) + 8 =$$

4. Max is cooking. He has 11 fluid ounces of chicken broth, 9 fluid ounces of water, and 4 fluid ounces of cream. How many cups does Max have, if 1 cup = 8 fluid ounces? \_\_\_\_\_ cups.

5. Sarah is making lunch. She needs  $\frac{1}{2}$  cup of noodles and  $\frac{2}{5}$  cup of sauce. How many total cups of ingredients does she need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
8.1352			
7.1678			

**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 18**

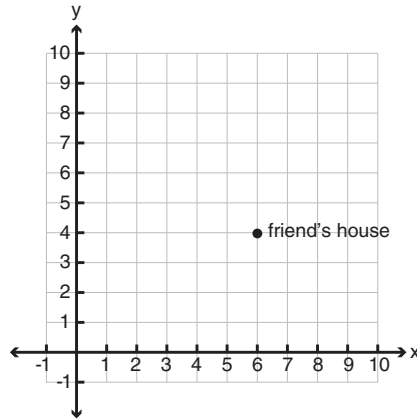
7. Your friend's house is represented by the ordered pair (6, 4).

Go down 2 units to the library.

Go right 4 units to the store.

Go up 1 unit to your house.

What ordered pair on the coordinate plane represents your house? ( \_\_\_\_, \_\_\_\_ )



8. Elle and Gabe go hiking each week.

A. Complete the table that represents the number of miles each of them hiked:

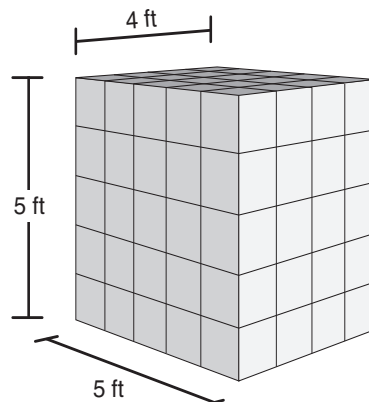
Week	Total Miles Elle Hiked	Total Miles Gabe Hiked
1	5	4
2	10	8
3	15	12
4	20	16
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ ft<sup>3</sup>.



10.  $\frac{1}{8}$  of all of the animals at the zoo are monkeys.  $\frac{3}{7}$  of the monkeys are eating bananas. What fraction of all of the animals at the zoo are monkeys eating bananas? \_\_\_\_\_ are monkeys eating bananas.

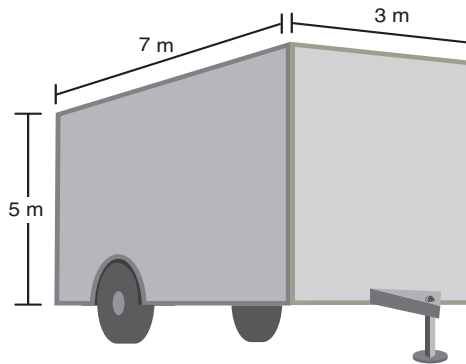
**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 18**

11. Hunter bought a pencil for \$4.96 and a notebook for \$2.95. He paid with a \$10 bill. How much change would he get back?  
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$3 \times 9 + 5 - 3 = 29$$

13. The trailer is 3 meters wide,  
7 meters long, and 5 meters tall.  
What is the volume of the trailer?  
\_\_\_\_\_ m<sup>3</sup>.



14. The teacher has 68 ounces of juice. The juice is divided equally among 10 children. How many ounces of juice does each child get? Write your answer as a decimal. \_\_\_\_\_ ounces of juice.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 4 by 2, then add 3: \_\_\_\_\_ = 5

16. How many pounds of corn would each bird get if 3 birds shared  $\frac{1}{2}$  of a pound of corn equally?  
\_\_\_\_\_ of a pound of corn.



**Acadience® Math / Concepts and Applications**  
**Level 5 / Progress Monitoring 19**

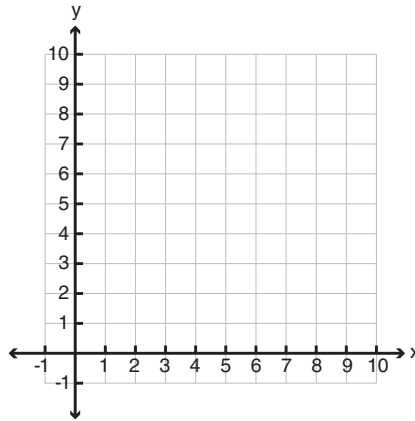
**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
4.693		4.696
7.915		7.910
1.675		1.678

2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

- A. (5, 2)
- B. (6, 6)
- C. (6, 8)
- D. (7, 9)



3. Solve:

$$6 \times (5 - 3) + 8 =$$

4. Karla is building a box. She has one piece of wood that is 18 inches long, one piece that is 12 inches, and one piece that is 6 inches. How many feet of wood does Karla have, if 1 foot = 12 inches? \_\_\_\_\_ feet.

5. Mark is making dinner. He needs  $\frac{4}{7}$  cup of rice and  $\frac{3}{8}$  cup of chicken. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
7.1543			
1.4167			

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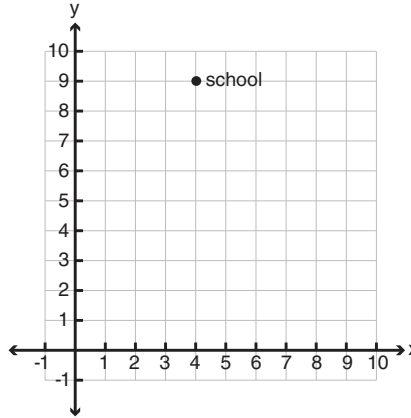
7. Your school is represented by the ordered pair (4, 9).

Go down 6 units to the library.

Go right 1 unit to the store.

Go up 2 units to your friend's house.

What ordered pair on the coordinate plane represents your friend's house? ( \_\_\_\_, \_\_\_\_ )

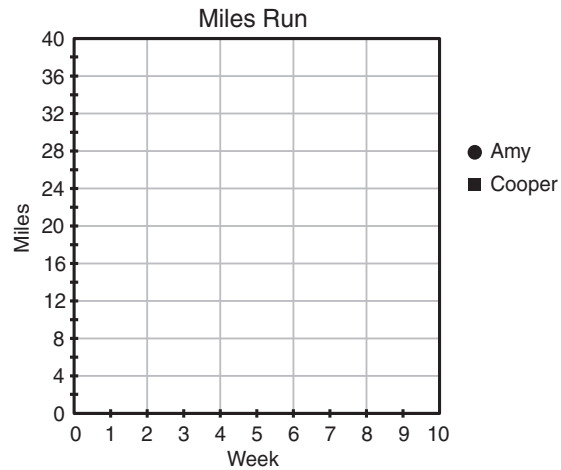


8. Amy and Cooper go running each week.

A. Complete the table that represents the number of miles each of them ran:

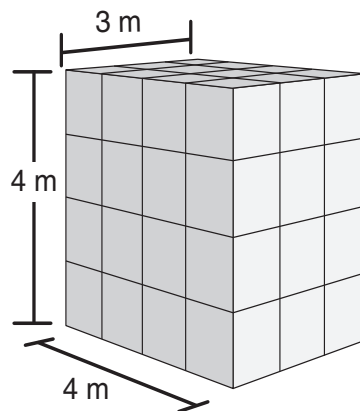
Week	Total Miles Amy Ran	Total Miles Cooper Ran
1	5	2
2	10	4
3	15	6
4	20	8
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ m<sup>3</sup>.



10.  $\frac{1}{4}$  of all of the people at the park are children.  $\frac{3}{7}$  of the children are playing football. What fraction of all of the people at the park are children playing football? \_\_\_\_\_ are children playing football.

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11. Eric bought bagels for \$4.73 and juice for \$3.48. He paid with a \$10 bill. How much change would he get back?

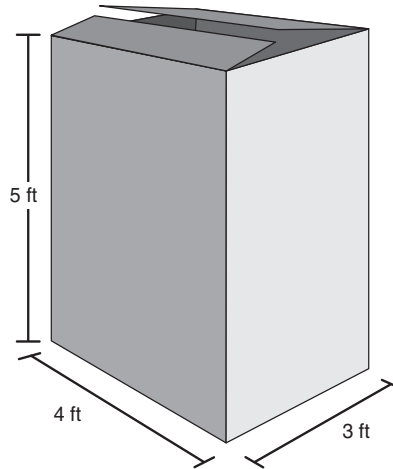
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$6 \times 6 + 7 + 8 = 51$$

13. The cardboard box is 3 feet wide, 4 feet long, and 5 feet tall. What is the volume of the cardboard box?

\_\_\_\_\_ ft<sup>3</sup>.



14. The store has 93 ounces of coffee. The coffee is divided equally among 10 customers. How many ounces of coffee does each customer get? Write your answer as a decimal. \_\_\_\_\_ ounces of coffee.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 8 by 2, then add 5: \_\_\_\_\_ = 9

16. How many pounds of rice would each person get if 5 people shared  $\frac{4}{5}$  of a pound of rice equally?  
\_\_\_\_\_ of a pound of rice.

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**Total:** \_\_\_\_\_

1. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
4.362		4.366
5.264		5.264
5.678		5.672

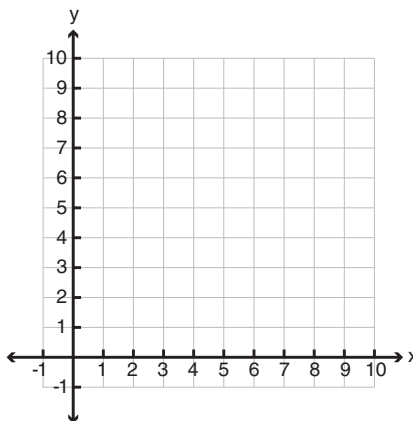
2. **Plot** the following ordered pairs on the coordinate plane and **label each pair** with the correct letter.

A. (5, 7)

B. (4, 7)

C. (5, 2)

D. (1, 7)



3. Solve:

$$9 \times (7 - 5) + 3 =$$

4. Christopher is cooking. He has 19 ounces of noodles, 18 ounces of tomatoes, and 11 ounces of cheese. How many pounds of ingredients does Christopher have, if 1 pound = 16 ounces? \_\_\_\_\_ pounds.

5. Doug is making dessert. He needs  $\frac{3}{4}$  cup of ice cream and  $\frac{1}{7}$  cup of chocolate. How many total cups of ingredients does he need? \_\_\_\_\_ of a cup.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
8.1567			
4.4888			

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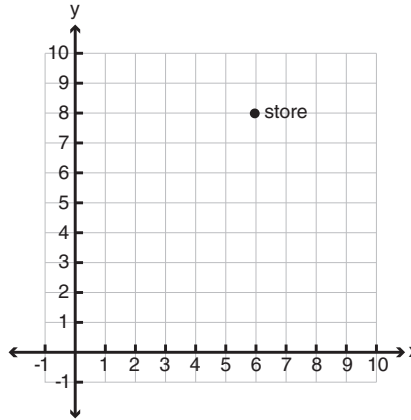
7. The store is represented by the ordered pair (6, 8).

Go down 1 unit to the library.

Go right 4 units to the bank.

Go up 2 units to your friend's house.

What ordered pair on the coordinate plane represents your friend's house? ( \_\_\_\_, \_\_\_\_ )

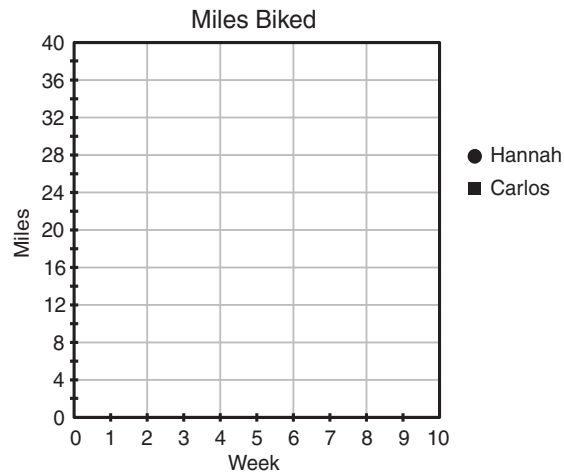


8. Hannah and Carlos go biking each week.

A. Complete the table that represents the number of miles each of them biked:

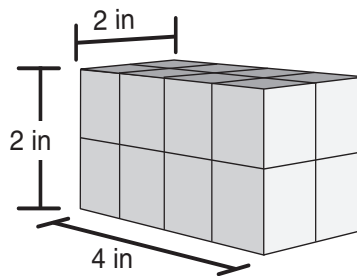
Week	Total Miles Hannah Biked	Total Miles Carlos Biked
1	5	4
2	10	8
3	15	12
4	20	16
5		
6		
7		
8		

B. Plot the points on the coordinate plane and make a line graph for each person:



9. Determine the volume of the shape.

\_\_\_\_\_ in<sup>3</sup>.



10.  $\frac{3}{4}$  of all the animals at the shelter are cats.  $\frac{1}{5}$  of the cats are white. What fraction of all the animals at the shelter are white cats?  
 \_\_\_\_\_ are white cats.

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11. McKenzie bought a pen for \$1.65 and scissors for \$2.57. She paid with a \$10 bill. How much change would she get back?

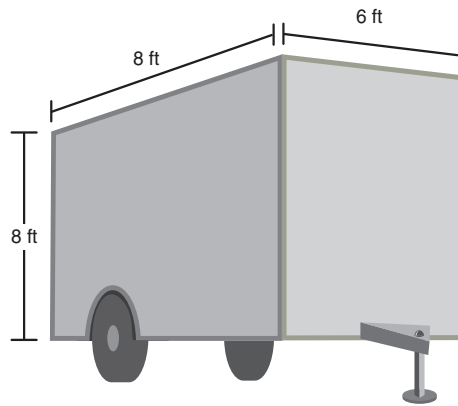
\$ \_\_\_\_\_

12. Write the part of this problem you would solve first in order to get to the correct answer: \_\_\_\_\_

$$4 \times 8 + 2 - 9 = 25$$

13. The trailer is 6 feet wide, 8 feet long, and 8 feet tall. What is the volume of the trailer?

\_\_\_\_\_ ft<sup>3</sup>.



14. The teacher has 11 carrots for snack time. The carrots are divided equally among 10 children. How many carrots does each child get? Write your answer as a decimal. \_\_\_\_\_ carrots.

15. In the space provided, write out the full equation using the correct order of operations:

Divide 8 by 2, then add 4: \_\_\_\_\_ = 8

16. How many pounds of seeds would each bird get if 3 birds shared  $\frac{5}{6}$  of a pound of seeds equally?  
\_\_\_\_\_ of a pound of seeds.