

acadience[®]math

Concepts and Applications

Grade 5 | Benchmark Assessment

Student Worksheets

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Concepts and Applications / Grade 5

Name: _____ Student ID: _____

Teacher: _____ School: _____ School Year: _____

Acadience® Math / Concepts and Applications

Grade 5 / Benchmark 1

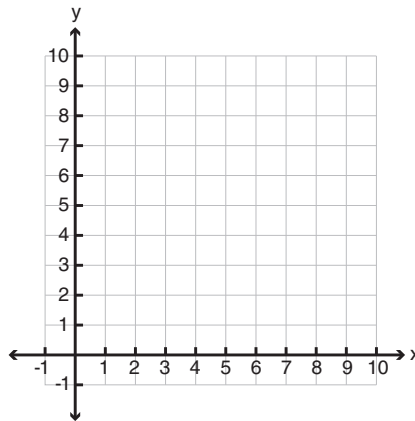
Total: _____

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

Box 1	>, =, <	Box 2
8.160		8.167
2.875		2.871
9.940		9.949

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

- A. (8, 6)
- B. (3, 1)
- C. (8, 3)
- D. (6, 3)



3. Solve:

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

4. Pablo made pancakes. He used 9 cups of milk, 9 cups of buttermilk, and 6 cups of water. How many quarts of liquid did he use, if 1 quart = 4 cups? _____ quarts of liquid.

5. Carolina is baking a chocolate cake. She needs $\frac{1}{8}$ cup of brown sugar and $\frac{2}{3}$ cup of cocoa powder. How many total cups of the ingredients does she need? _____ cup(s).

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
7.4782			
6.4356			

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Grade 5 / Benchmark 1

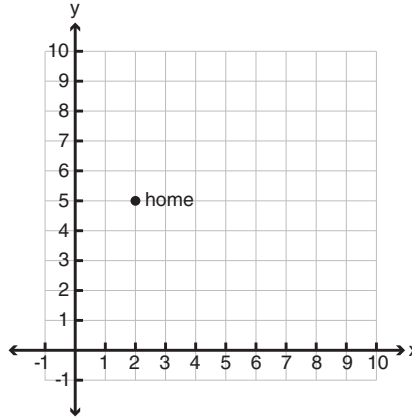
7. Your home is represented by the ordered pair (2, 5).

Go up 3 units to the mailbox.

Go right 4 units to your neighbors' house.

Go down 4 units to your friend's house.

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

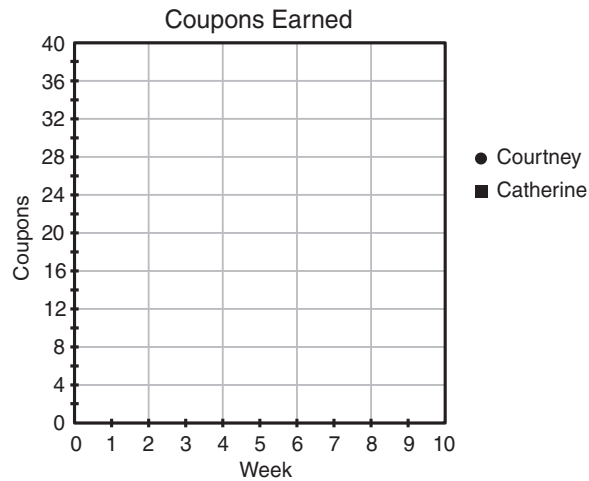


8. Courtney and Catherine each earned coupons for having good behavior at school.

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

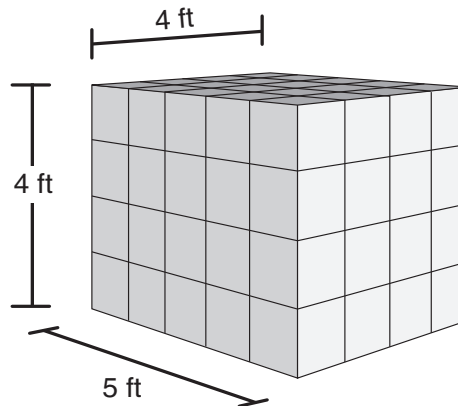
Week	Total Coupons Courtney Earned	Total Coupons Catherine Earned
1	3	5
2	6	10
3	9	15
4	12	20
5		
6		
7		
8		

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



9. Determine the volume of the shape.

_____ ft³.



10. $\frac{1}{3}$ of the kids at April's birthday party are wearing party hats. $\frac{1}{8}$ of the hats are red. What fraction of the kids at the party are wearing red hats? _____ are wearing red hats.

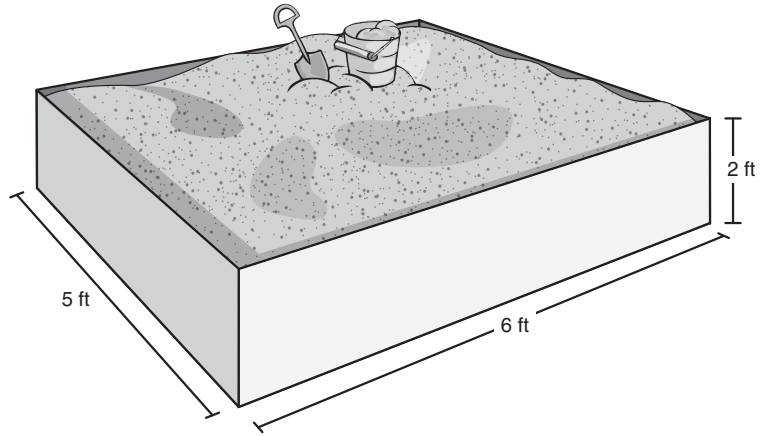
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Grade 5 / Benchmark 1

11. For lunch, Jake bought a piece of pizza for \$1.79 and an orange juice for \$1.29. He paid with a \$5 bill. How much change did he get back? \$ _____

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

$$6 \times (2 + 4) + 7 = 43$$

13. The sandbox is 5 feet long, 6 feet wide, and 2 feet deep. What is the volume of the sandbox?
_____ ft^3 .



14. Your teacher has 36 slices of cake. The slices are divided equally among 10 children. How many slices of cake does each student get? Write your answer as a decimal. _____ slices of cake.

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 beans would each person get if 4 people shared $\frac{1}{4}$ of a pound of beans equally?
_____ of a pound of beans.

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Grade 5 / Benchmark 2

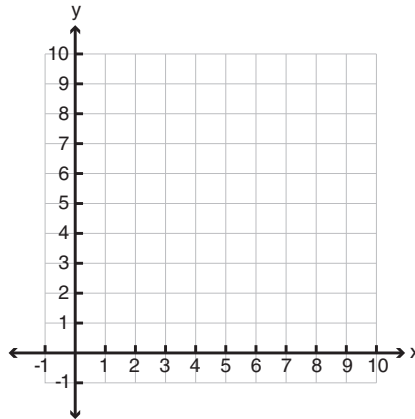
Total: _____

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

Box 1	>, =, <	Box 2
2.769		2.765
7.670		7.678
4.521		4.525

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

- A. (6, 10)
- B. (10, 2)
- C. (9, 9)
- D. (8, 4)



3. Solve:

$$8 \times (9 - 6) + 5 =$$

4. Hector bought some food at the store. He purchased 20 ounces of salami, 43 ounces of chicken, and 17 ounces of cheese. How many pounds of food did Hector buy, if 1 pound = 16 ounces? _____ pounds of food.

5. Sophia is baking a carrot cake. She needs $\frac{1}{3}$ cup of sugar and $\frac{1}{2}$ cup of carrots. How many total cups of ingredients does she need? _____ cup(s).

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
3.1834			
9.1621			

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Grade 5 / Benchmark 2

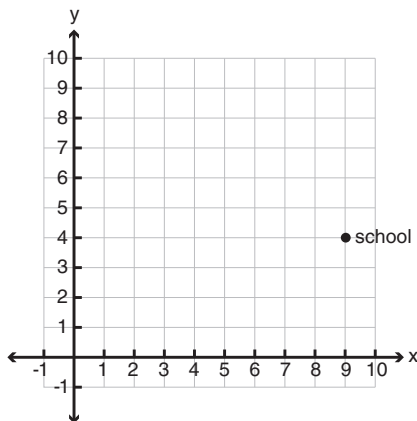
7. Your school is represented by the ordered pair (9, 4).

Go up 1 unit to the playground.

Go left 3 units to the library.

Go down 2 units to the bus stop.

What ordered pair on the coordinate plane represents the bus stop? (____, ____)

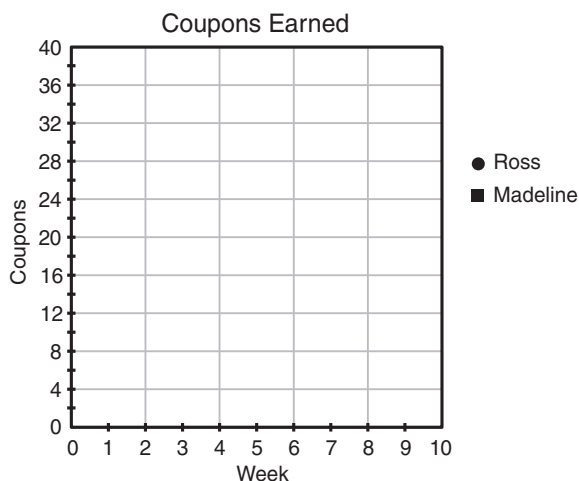


8. Ross and Madeline earned coupons for doing work around the house.

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

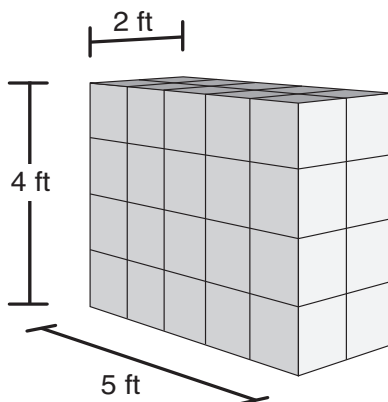
Week	Total Coupons Ross Earned	Total Coupons Madeline Earned
1	2	4
2	4	8
3	6	12
4	8	16
5		
6		
7		
8		

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



9. Determine the volume of the shape.

_____ ft³.



10. $\frac{2}{5}$ of the kids at Natalie's birthday party are wearing party hats. $\frac{1}{3}$ of the hats are red. What fraction of the kids at the party are wearing red hats? _____ are wearing red hats.

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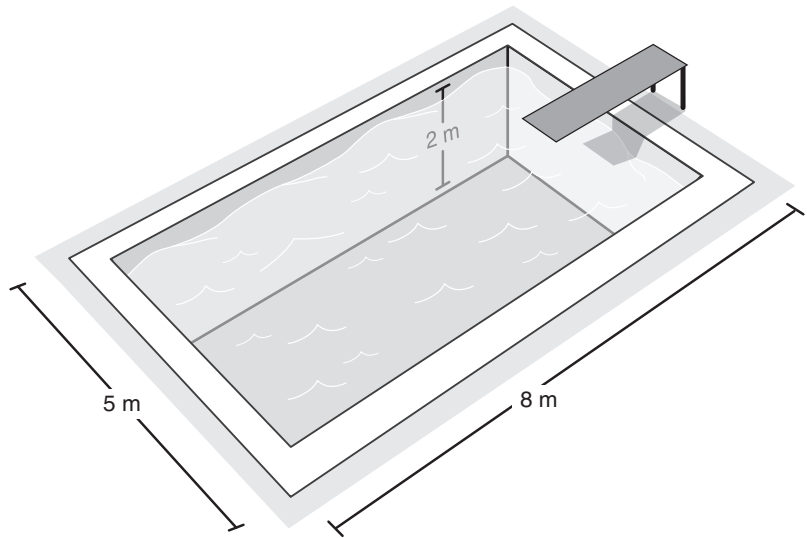
11. Paul bought a flower for his mother for \$4.35 and bought a flower for his grandmother for \$2.37. He paid with a \$10 bill. How much change will he get back? \$ _____

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

$$9 \times 4 + 7 + 4 = 47$$

13. Todd's dad is building a pool that is 8 meters long, 5 meters wide, and 2 meters deep. What is the volume of the pool?

_____ m³.



14. Your teacher has 28 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 6, then add 8: _____ = 9

16. How many pounds of carrots would each person get if 4 people shared $\frac{3}{8}$ of a pound of carrots equally?
_____ of a pound of carrots.

**Acadience® Math / Concepts and Applications
Grade 5 / Benchmark 3**

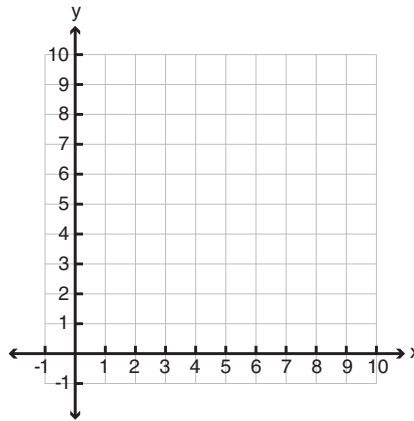
Total: _____

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

Box 1	>, =, <	Box 2
2.185		2.186
4.414		4.413
9.574		9.571

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

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



3. Solve:

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

4. Scott has some pieces of rope. One is 18 inches, the next is 11 inches, and the last is 19 inches. How many feet of rope does Scott have, if 1 foot = 12 inches? _____ feet of rope.

5. There was $\frac{2}{3}$ of a pepperoni pizza left over and $\frac{1}{5}$ of a cheese pizza left over. How much total pizza was left over?
_____ of a pizza.

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
4.2223			
4.3787			

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Grade 5 / Benchmark 3

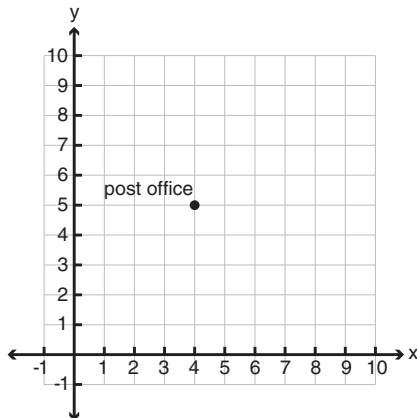
7. The post office is represented by the ordered pair (4, 5).

Go up 4 units to the store.

Go right 1 unit to the bank.

Go down 5 units to your house.

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

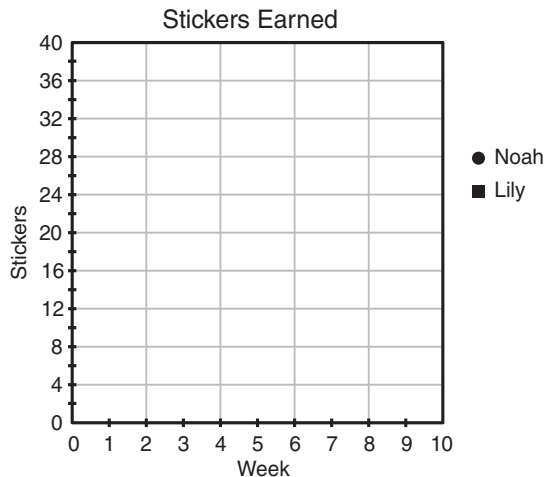


8. Noah and Lily earned stickers on their homework.

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

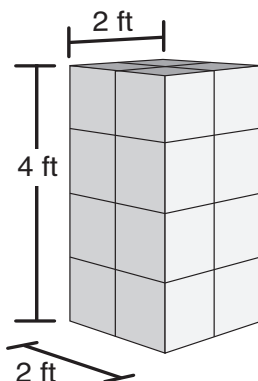
Week	Total Stickers Noah Earned	Total Stickers Lily Earned
1	3	4
2	6	8
3	9	12
4	12	16
5		
6		
7		
8		

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



9. Determine the volume of the shape.

_____ ft³.



10. $\frac{1}{6}$ of the kids at Ava's birthday party had balloons. $\frac{1}{4}$ of the balloons were blue. What fraction of the kids at the party had blue balloons? _____ had blue balloons.

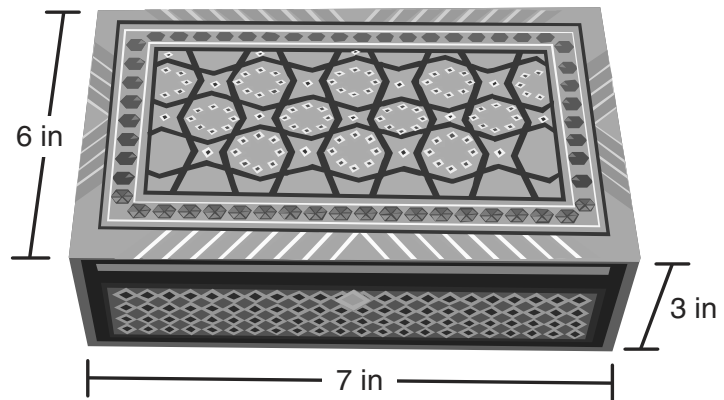
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Grade 5 / Benchmark 3

11. Emma bought a skirt for \$3.69 and a shirt for \$2.71. 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: _____

$$7 \times 9 + 5 + 2 = 70$$

13. Dana has a jewelry box that is 7 inches wide, 6 inches long, and 3 inches tall. What is the volume of the jewelry box?
_____ in³.



14. Your teacher has 56 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 6 by 3, then add 2: _____ = 4

16. How many pounds of apples would each person get if 4 people shared $\frac{1}{7}$ of a pound of apples equally?
_____ of a pound of apples.