

# acadience<sup>®</sup>math

## Concepts and Applications

### Grade 5 | Benchmark 1

## Teacher Key

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or

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Left to Right

# Acadience® Math / Concepts and Applications Grade 5 / Benchmark 1 / Teacher Key

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

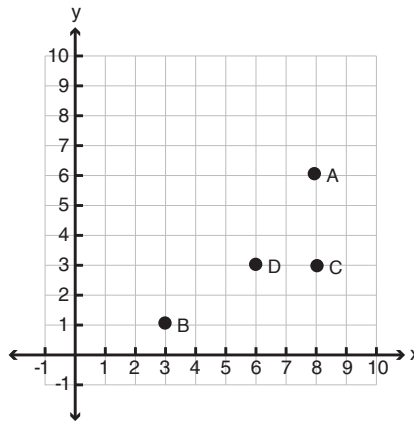
1. Fill in the blank with > (greater than), = (equal to), or < (less than):

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

exact answer, 1 | 2  
points per box 2 | 4  
3 | 6

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)



exact answer, 1 | 1  
points per segment 2 | 2  
3 | 3  
(correctly plotted points) 4 | 4

3. Solve:

$$4 \times (8 - 6) + 4 = 12$$

correct digits 1 | 5  
2 | 10

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? 6 quarts of liquid.

correct digits 1 | 9

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?  $\frac{19}{24}$  cup(s).

1 | 2  
2 | 4  
3 | 6  
correct digits 4 | 8

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
7.4782	7.5	7.48	7.478
6.4356	6.4	6.44	6.436

1 | 1  
2 | 2  
3 | 3  
4 | 4  
5 | 5  
exact answer, 6 | 6  
points per box 6 | 6

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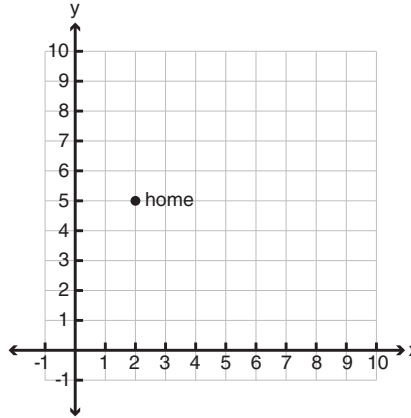
7. Your home is represented by the ordered pair (2, 5).

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? ( 6, 4 )



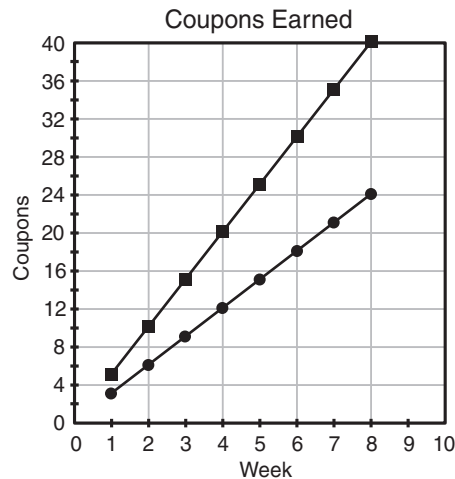
exact answer, 1 | 2  
points per line 2 | 4

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	15	25
6	18	30
7	21	35
8	24	40

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



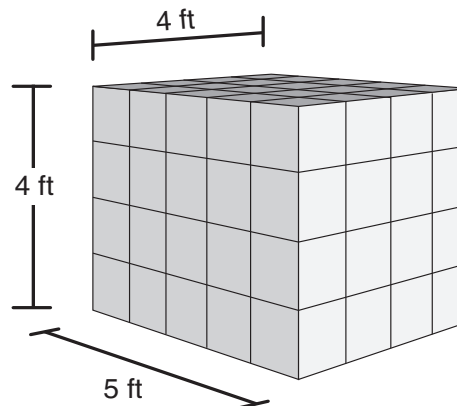
● Courtney  
■ Catherine

A. exact answer, 1 | 2  
points per box 2 | 3  
3 | 4  
4 | 5  
5 | 6  
6 | 7  
7 | 8

B. exact answer, 1 | 1  
points per segment (correct line plotted) 2 | 2

9. Determine the volume of the shape.

80 ft<sup>3</sup>.



correct digits 1 | 4  
2 | 9

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?  $\frac{1}{24}$  are wearing red hats.

correct digits 1 | 1  
2 | 3  
3 | 5

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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? \$ 1.92

1	4
2	9
3	14
4	19

  
 correct digits

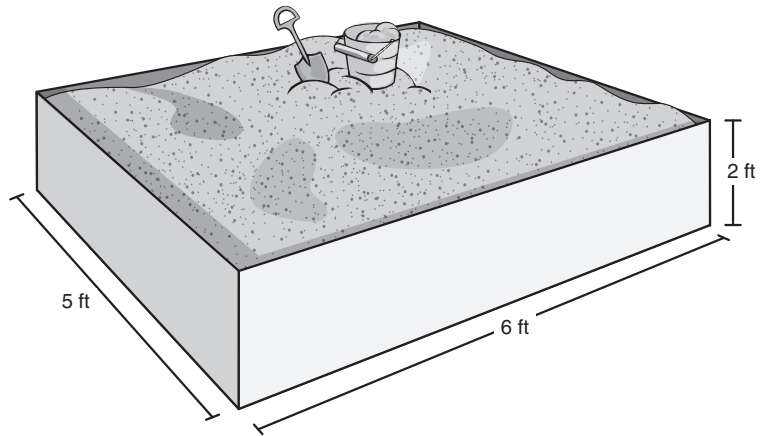
12. Write the part of this problem you would solve first in order to get to the correct answer:  $2 + 4$

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

exact answer,  
 points per line 1 | 2

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

60 ft<sup>3</sup>



1	4
2	9

  
 correct digits

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. 3.6 slices of cake.

1	1
2	3
3	7

  
 correct digits

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

Divide 8 by 2, then add 4:  $8 \div 2 + 4$  = 8  
 or equivalent

exact answer,  
 points per line 1 | 3

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

$\frac{1}{16}$  of a pound of beans.

1	2
2	4
3	6

  
 correct digits