

acadience<sup>®</sup>math

Concepts and Applications

Grade 5 | Benchmark 2

Teacher Key

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**Scoring Direction**

Right to Left

or

Left to Right

# Acadience® Math / Concepts and Applications Grade 5 / Benchmark 2 / Teacher Key

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

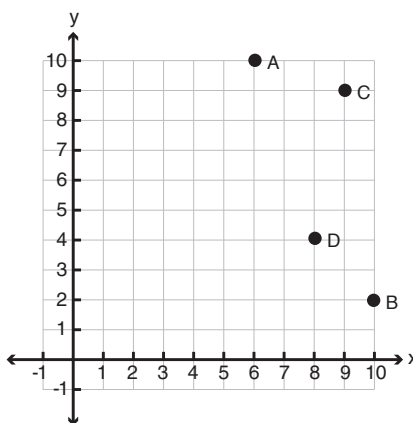
1. Fill in the blank with > (greater than), = (equal to), or < (less than):

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

exact answer,  $\frac{1}{2}$  | 2  
points per box 3 | 6

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)



exact answer,  $\frac{1}{2}$  | 1  
points per segment 3 | 2  
(correctly plotted points) 4 | 4

3. Solve:

$$8 \times (9 - 6) + 5 = 29$$

correct digits  $\frac{1}{2}$  | 6  
12

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? 5 pounds of food.

correct digits 1 | 13

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?

$$\frac{5}{6} \text{ cup(s).}$$

correct digits  $\frac{1}{2}$  | 3  
6

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
3.1834	3.2	3.18	3.183
9.1621	9.2	9.16	9.162

exact answer,  $\frac{1}{2}$  | 1  
2 | 2  
3 | 3  
4 | 4  
5 | 5  
points per box 6 | 6

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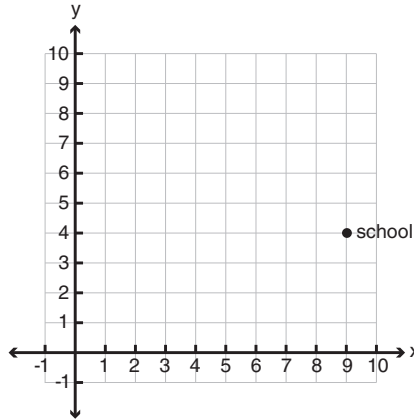
7. Your school is represented by the ordered pair (9, 4).

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? ( 6, 3 )



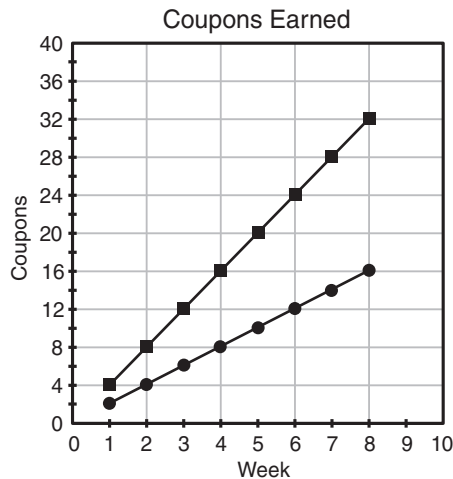
exact answer, 1 | 2  
points per line 2 | 4

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	<u>10</u>	<u>20</u>
6	<u>12</u>	<u>24</u>
7	<u>14</u>	<u>28</u>
8	<u>16</u>	<u>32</u>

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



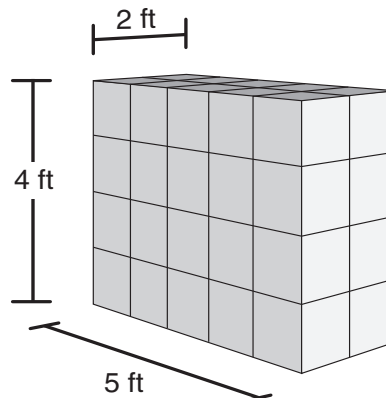
● Ross  
■ Madeline

A. exact answer, 1 | 1  
points per box 2 | 8

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

9. Determine the volume of the shape.

40 ft<sup>3</sup>.



correct digits 1 | 4  
2 | 9

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?  $\frac{2}{15}$  are wearing red hats.

correct digits 1 | 1  
2 | 3  
3 | 5

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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? \$ 3.28

	1	5
	2	10
	3	15
correct digits	4	20

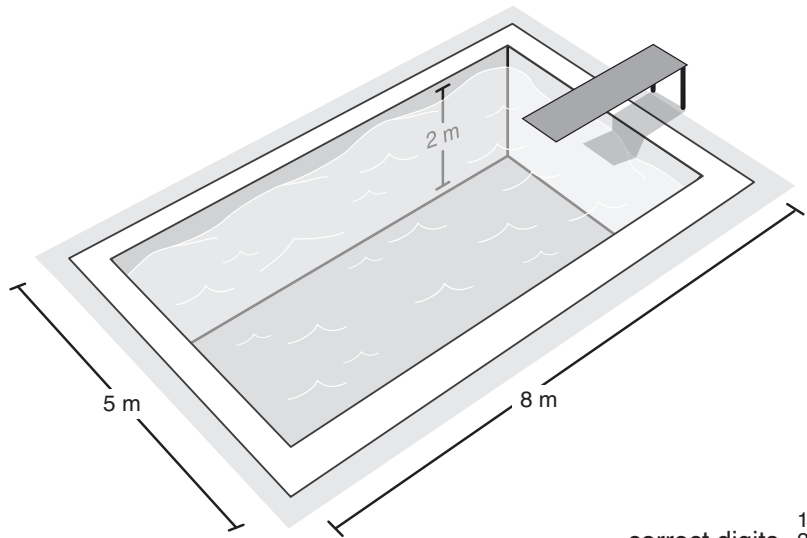
12. Write the part of this problem you would solve first in order to get to the correct answer:  $9 \times 4$

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

exact answer,  
points per line 1 | 2

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?

80 m<sup>3</sup>.



	1	4
	2	9
correct digits	3	

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. 2.8 sheets of stickers.

	1	1
	2	3
correct digits	3	7

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

Divide 6 by 6, then add 8:  $6 \div 6 + 8$  = 9  
or equivalent

exact answer,  
points per line 1 | 3

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

$\frac{3}{32}$  of a pound of carrots.

	1	2
	2	4
correct digits	3	6