acadience®math

Concepts and Applications

Grade 5 | Benchmark 3

Teacher Key

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Acadience® Math / Concepts and Applications
Grade 5 / Benchmark 3 / Teacher Key

Total: _____

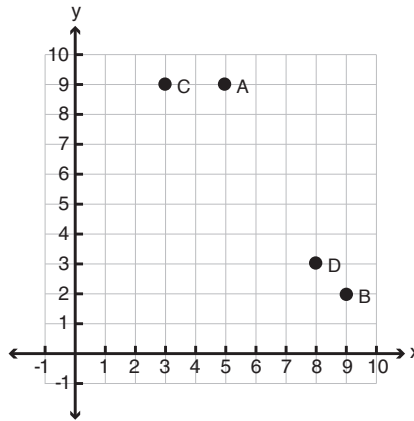1. Fill in the blank with > (greater than), = (equal to), or < (less than):

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

exact answer, points per box

1	2
2	4
3	6

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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)

exact answer, points per segment (correctly plotted points)

1	1
2	2
3	3
4	4

---

3. Solve:

$3 \times (7 - 3) + 6 = 18$

correct digits

1	6
2	12

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4. Scott has some pieces of rope. One is 18 inches, the next is 11 inches, and the last is 19 inches. How many <u>feet</u> of rope does Scott have, if 1 foot = 12 inches? ____4____ feet of rope.

correct digits

1	13

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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?

$\frac{13}{15}$ of a pizza.

correct digits

1	2
2	4
3	6
4	8

---

6. Round...

Number	...to the nearest tenth	...to the nearest hundredth	...to the nearest thousandth
4.2223	4.2	4.22	4.222
4.3787	4.4	4.38	4.379

exact answer, points per box

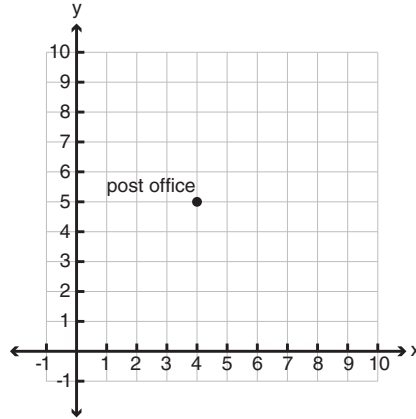|	
1	1
2	2
3	3
4	4
5	5
6	6

---

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.

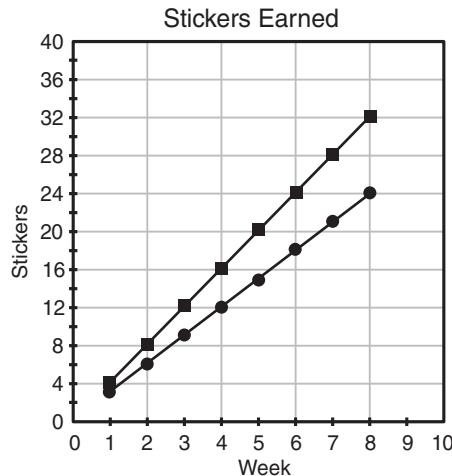What ordered pair on the coordinate plane represents your house? (__5__ , __4__)

exact answer, points per line

1	2
2	4

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	15	20
6	18	24
7	21	28
8	24	32

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

Stickers Earned

● Noah
■ Lily

A. exact answer, points per box

1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

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

1	1
2	2

9. Determine the volume of the shape.

_____16_____ ft³.

2 ft

4 ft

2 ft

correct digits

1	3
2	7

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? $\frac{1}{24}$ had blue balloons.

correct digits

1	1
2	3
3	5

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?

$ __3.60__

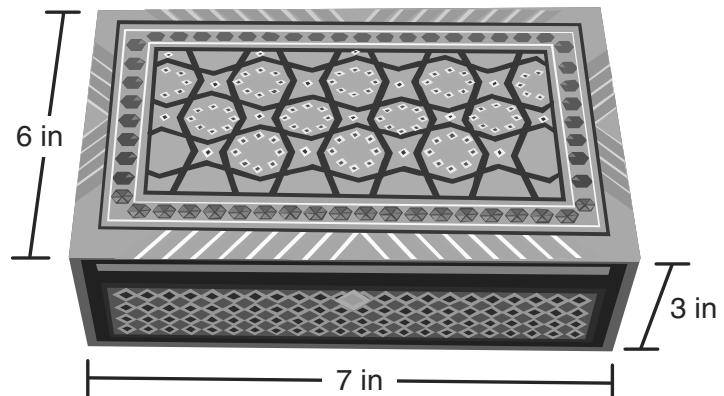|	
1	5
2	10
3	15
correct digits 4	20

12. Write the part of this problem you would solve first in order to get to the correct answer: __7 x 9__

7 x 9 + 5 + 2 = 70

exact answer,
points per line   1 | 2

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?

__126__ in³.

6 in

3 in

7 in

1	3
2	7
correct digits 3	10

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. __5.6__ crackers.

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 3, then add 2: __6 ÷ 3 + 2__ = 4
or equivalent

exact answer,
points per line   1 | 3

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

$\frac{1}{28}$ of a pound of apples.

1	2
2	4
correct digits 3	6