acadience® math

Concepts and Applications

Grade 4 | Benchmark 2

Teacher Key

Published by Acadience Learning Inc.

Available: www.acadiencelearning.org

For use with Acadience Learning Online
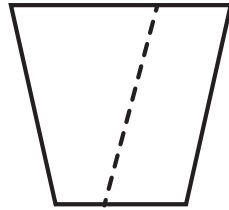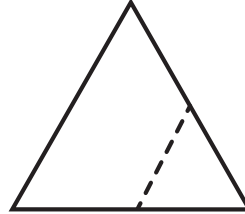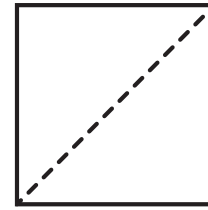
Scoring Direction

Right to Left

or

Left to Right

Total: _____

1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.

_____no_____   _____no_____   _____yes_____

exact answer, points per line

1	1
2	2
3	3

2. Compare the number in Box 1 with the number in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
529	<	705
471	<	846
461	>	325

exact answer, points per box

1	1
2	2
3	3

3. List three numbers that are multiples of 3:

____6____   ____9____   ____12____   or equivalent

exact answer, points per line

1	2
2	4
3	6

4. In the basketball game, José scored 26 points in the first half and 46 in the second half. His friend, Marie, scored 39 points total. How many more points did José score than Marie? ____33____ points.

correct digits

1	6
2	12

5. Compare the decimal in Box 1 with the decimal in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
0.29	>	0.25
0.18	<	0.64
0.58	<	0.72

exact answer, points per box

1	2
2	4
3	6

6. Cole did homework for 3 hours and 12 minutes. How many minutes total did Cole do homework? ____192____ minutes.
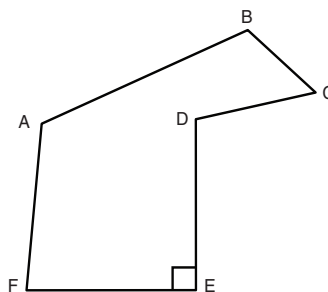
correct digits

1	4
2	9
3	14

7. Name one right angle: _____**E**_____ or equivalent

   Name one obtuse angle: _**A, B, or D**_ or equivalent

   Name one acute angle: _**C or F**_ or equivalent

exact answer,
points per line

1	1
2	2
3	3

8. Round...

Number	...to the nearest hundred	...to the nearest ten	...to the nearest thousand
8255	8,300	8,260	8,000
6435	6,400	6,440	6,000

exact answer,
points per box

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

9. Jim is 9 years old. Tim is 27 years old. How many times older is Tim compared to Jim? _____**3**_____ times older.

correct digits 1 | 4

10. Compare the fraction in Box 1 with the fraction in Box 2. Fill in the blank with > (greater than), = (equal to), or < (less than):

Box 1	>, =, <	Box 2
$\frac{5}{8}$	<	$\frac{3}{4}$
$\frac{9}{12}$	<	$\frac{5}{6}$

exact answer,
points per box

| 1 | 3 |
| 2 | 6 |

11. Convert into ounces. 1 pound = 16 ounces:

Pounds	Ounces
3	48
4	64
5	80

exact answer,
points per box

1	2
2	4
3	6

12. Draw two **line segments** that are **perpendicular**:
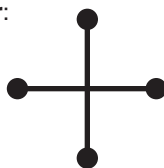
exact answer,
points per segment
(line segments and perpendicular)

| 1 | 1 |
| 2 | 2 |

13. Write the following in expanded form: **43,797**

_____40,000 + 3,000 + 700 + 90 + 7_____

exact answer,
points per segment
(each part of the expanded form)

1	1
2	2
3	3
4	4
5	5

14. Paul spent 2 hours and 43 minutes in the car. He then went on a trip in the car that took 35 minutes. What is the total number of minutes that Paul was in the car? ____**198**____ minutes.

correct digits

1	5
2	10
3	16

---

15. Write the fractions as a decimal:

$$\frac{1}{10} = \text{\_\_\_\_.1\_\_\_\_}$$

$$\frac{35}{100} = \text{\_\_.35\_\_}$$

exact answer, points per line

1	2
2	4

---

16. Rose bought a scarf for $17.84. She gave the clerk a $20.00 bill. How much change did she get back? $ ____**2.16**____

correct digits

1	4
2	6
3	8
4	12

---

17. Prime or composite: **24, 25, 67, 41**

Write which are prime numbers: __**41**__ , __**67**__ .

Write which are composite numbers: __**24**__ , __**25**__ .

exact answer, points per line

1	1
2	2
3	3
4	4

---

18. We spent 6 hours making food. We spent $\frac{2}{3}$ of that time making a pumpkin pie. How long did it take us to make the pumpkin pie? ____**4**____ hour(s).

correct digits 1 | 6

---

19. The pencil is $3\frac{1}{2}$ inches long and the pen is $5\frac{3}{4}$ inches long. Exactly how much longer is the pen than the pencil? ____$2\frac{1}{4}$____ inches.

INCHES 1 2 3 4 5 6 7 8 9 10 11 12

correct digits

1	3
2	6
3	9

---
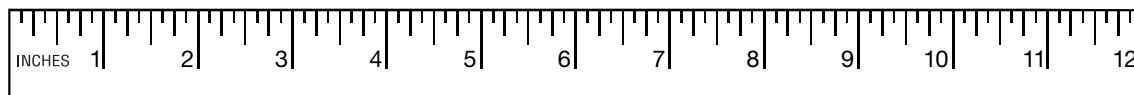
20. Trish wants to put carpet on the floor of her dog's house. The area of the doghouse is 42 square feet. The width of the doghouse is 6 feet. How long will the piece of carpet need to be? ____**7**____ feet.

correct digits 1 | 4