

acadience[®]math

Concepts and Applications

Grade 4 | Benchmark 1

Teacher Key

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Scoring Direction

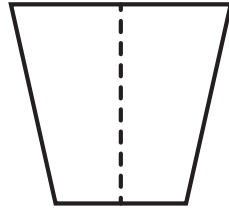
Right to Left
or

Left to Right

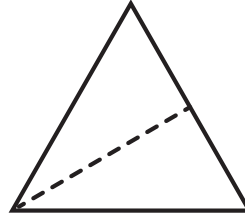
Acadience® Math / Concepts and Applications Grade 4 / Benchmark 1 / Teacher Key

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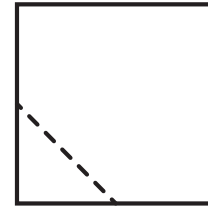
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



yes



yes



no

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
835	>	751
333	<	613
131	<	168

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

3. List three numbers that are multiples of 4:

8 12 16 or equivalent

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

4. Jake read 17 books over the summer that were nonfiction and 43 books that were fiction. His friend Ross read 38 books total.

How many more books did Jake read than Ross? 22 books.

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
0.47	>	0.25
0.39	<	0.68
0.89	<	0.91

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

6. We rented a movie that was 2 hours and 15 minutes long. How many minutes total was the movie? 135 minutes.

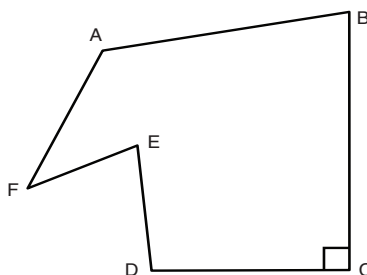
correct digits 1 | 4
2 | 9
3 | 14

Acadience® Math / Concepts and Applications
Grade 4 / Benchmark 1 / Teacher Key

7. Name one right angle: C or equivalent

Name one obtuse angle: A or D or equivalent

Name one acute angle: B, E, or F or equivalent



exact answer, 1 | 1
 points per line 2 | 2
 3 | 3

8. Round...

Number	...to the nearest hundred	...to the nearest ten	...to the nearest thousand
2461	2,500	2,460	2,000
4672	4,700	4,670	5,000

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

9. Olive is 8 years old. Karen is 32 years old. How many times older is Karen than Olive? 4 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
$\frac{2}{10}$	<	$\frac{2}{5}$
$\frac{3}{9}$	=	$\frac{1}{3}$

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

11. Convert into minutes. 1 hour = 60 minutes:

Hours	Minutes
2	120
7	420
4	240

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

12. Draw two **line segments** that are **parallel**:



exact answer, 1 | 1
 points per segment 2 | 2
 (line segments and parallel)

13. Write the following in expanded form: **68,472**

60,000 + 8,000 + 400 + 70 + 2

exact answer, 1 | 1
 points per segment 2 | 2
 3 | 3
 4 | 4
 5 | 5
 (each part of the expanded form)

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Grade 4 / Benchmark 1 / Teacher Key

14. Stan worked for 3 hours and 12 minutes. He then worked 23 minutes. What is the total number of minutes that Stan worked?

215 minutes.


correct digits

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{9}{10} = \underline{.9}$$

$$\frac{79}{100} = \underline{.79}$$

exact answer,

1	2
2	4

points per line

16. Dan bought a hat for \$22.12. He gave the clerk \$25.00. How much change did he get back? \$ 2.88


correct digits

1	3
2	6
3	9
4	12

17. Prime or composite: **37, 90, 83, 88**

Write which are prime numbers: 37, 83.

Write which are composite numbers: 90, 88.

exact answer,

1	1
2	2
3	3
4	4


points per line

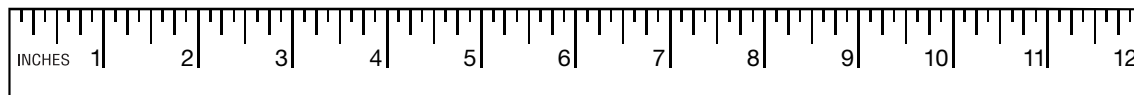
18. Ruth walked to school 4 times last week. She has to walk $\frac{1}{2}$ of a mile to get to school. How many miles did she walk last week?

2 mile(s).


correct digits 1 | 5

19. The pencil is $4\frac{1}{4}$ inches long and the pen is $6\frac{1}{2}$ inches long. Exactly how much longer is the pen than the pencil?

2 $\frac{1}{4}$ inches.




correct digits

1	3
2	6
3	9

20. The width of Ann's garden was 7 feet. The area of her garden was 63 square feet. What was the length of her garden?

9 feet.


correct digits 1 | 4