

# acadience®math

## Concepts and Applications

Level 4 | Progress Monitoring

### Teacher Key

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**Scoring Direction**


Right to Left

or

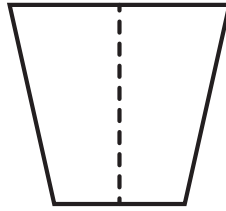
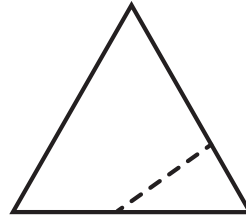
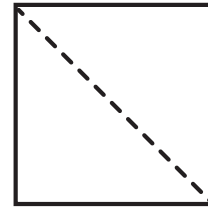


Left to Right

# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 1 / Teacher Key

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

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


yes

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
989	>	826
274	<	683
323	>	296

 exact answer, 

1	1
2	2
3	3

3. List three numbers that are multiples of 3:

6    9    12 or equivalent

 exact answer, 

1	2
2	4
3	6

4. Vera found 34 rocks at the beach yesterday and 29 rocks today. Greta found 18 rocks total. How many more rocks did Vera find than Greta? 45 rocks.

 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
0.69	<	0.93
0.51	>	0.37
0.14	<	0.28

 exact answer, 

1	2
2	4
3	6

6. Leon walked on the beach for 5 hours and 53 minutes. How many minutes total did Leon walk for?

353 minutes.

 correct digits 

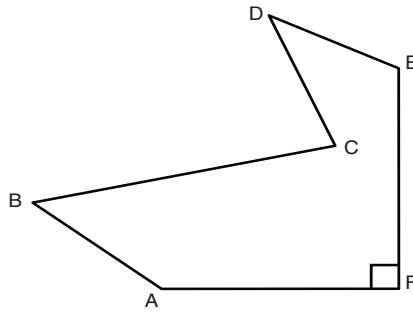
1	4
2	9
3	14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 1 / Teacher Key**

7. Name one right angle: F or equivalent

Name one obtuse angle: A or E or equivalent

Name one acute angle: B, C, or D 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
4867	4,900	4,870	5,000
8474	8,500	8,470	8,000

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

9. Coral is 7 years old. Marie is 63 years old. How many times older is Marie than Coral? 9 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
$\frac{4}{6}$	=	$\frac{2}{3}$
$\frac{1}{2}$	>	$\frac{3}{10}$

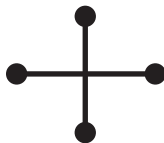
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert liters into milliliters. 1 liter = 1000 milliliters:

Liters	Milliliters
9	9,000
7	7,000
4	4,000

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

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



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

13. Write the following in expanded form: **47,378**

40,000 + 7,000 + 300 + 70 + 8

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 1 / Teacher Key**

14. Tina rowed the boat for 5 hours and 50 minutes. Then she rowed for 48 more minutes. What is the total number of minutes that Tina rowed? 398 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{4}{10} = \underline{.4}$$

$$\frac{92}{100} = \underline{.92}$$

exact answer, 

1	2
2	4

  
points per line

16. Ari bought dinner for \$13.63. He gave the clerk \$20.00. How much change did he get back? \$ 6.37

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **34, 95, 59, 23**

Write which are prime numbers: 59, 23.

Write which are composite numbers: 34, 95.

exact answer, 

1	1
2	2
3	3
4	4

  
points per line

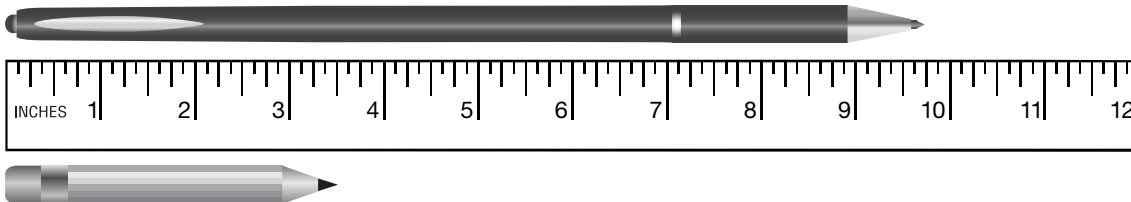
18. Emma walked her dog 8 times. Each time she went  $\frac{1}{2}$  of a mile. How many total miles did she walk?

4 mile(s).

correct digits 1 | 5

19. The pencil is  $3\frac{1}{2}$  inches long and the pen is  $9\frac{3}{4}$  inches long. Exactly how much longer is the pen than the pencil?

$6\frac{1}{4}$  inches.



correct digits 

1	3
2	6
3	9

20. Yang is building a deck. The area of the deck is 28 square feet. The length is 7 feet. How wide is the deck?

4 feet.

correct digits 1 | 4

**Scoring Direction**

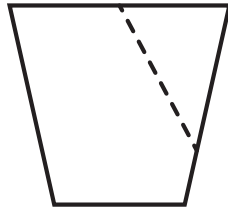
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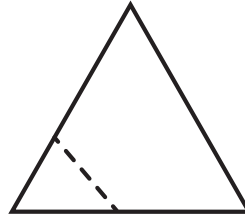
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 2 / Teacher Key

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

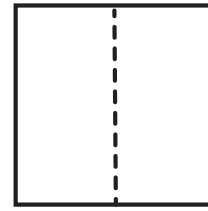
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



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
953	>	834
358	<	684
315	>	282

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

3. List three numbers that are multiples of 6:

12 18 24 or equivalent

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

4. Lily caught 38 fish last summer and 32 fish this summer. James caught 31 fish total. How many more fish did Lily catch than James? 39 fish.

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
0.73	>	0.68
0.96	>	0.48
0.42	<	0.44

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

6. Lucy played in the sand for 2 hours and 43 minutes. How many minutes total did Lucy play in the sand? 163 minutes.

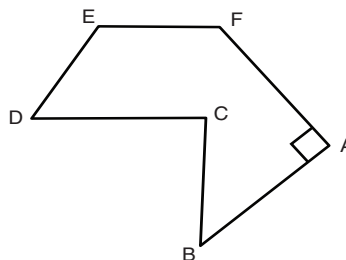
correct digits 1 4  
2 9  
3 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 2 / Teacher Key**

7. Name one right angle:   A   or equivalent

Name one obtuse angle:   E or F   or equivalent

Name one acute angle:   B, C, or D   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
8363	<b>8,400</b>	<b>8,360</b>	<b>8,000</b>
5724	<b>5,700</b>	<b>5,720</b>	<b>6,000</b>

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

9. Leo is 5 years old. Ezra is 20 years old. How many times older is Ezra than Leo?   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
$\frac{8}{12}$	<b>&gt;</b>	$\frac{1}{6}$
$\frac{3}{8}$	<b>&lt;</b>	$\frac{1}{2}$

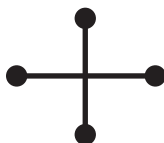
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert meters into centimeters. 1 meter = 100 centimeters:

Meters	Centimeters
3	<b>300</b>
9	<b>900</b>
6	<b>600</b>

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

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



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

13. Write the following in expanded form: **43,764**

  40,000 + 3,000 + 700 + 60 + 4  

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 2 / Teacher Key**

14. Jacob painted for 4 hours and 38 minutes. He took a break and then painted for 49 more minutes. What is the total number of minutes that Jacob painted? 327 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{5}{10} = \underline{.5}$$

$$\frac{39}{100} = \underline{.39}$$

exact answer, 

1	2
2	4

  
points per line

16. Molly bought a toy for her brother for \$13.67. She gave the clerk \$15.00. How much change did she get back?

\$ 1.33

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **85, 23, 47, 26**

Write which are prime numbers: 23, 47.

Write which are composite numbers: 85, 26.

exact answer, 

1	1
2	2
3	3
4	4

  
points per line

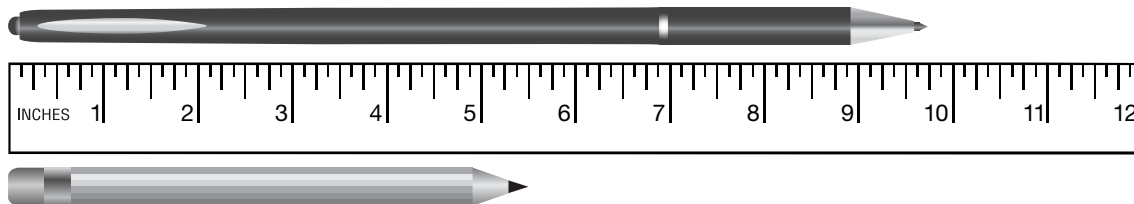
18. Ryan has 8 stickers.  $\frac{1}{2}$  of his stickers are blue. How many blue stickers does he have?

4 blue sticker(s).

correct digits 1 | 5

19. The pencil is  $5\frac{1}{2}$  inches long and the pen is  $9\frac{3}{4}$  inches long. Exactly how much longer is the pen than the pencil?

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



correct digits 

1	3
2	6
3	9

20. Luke is mowing the lawn. The area of the lawn is 42 square meters. The width is 6 meters. What is the length of the lawn?

7 meters.

correct digits 1 | 4

**Scoring Direction**

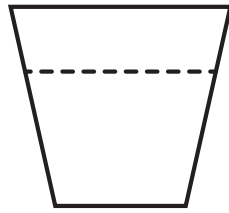
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Right to Left  
or

→  
Left to Right

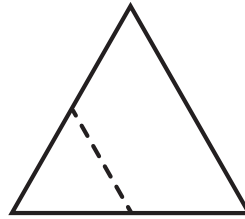
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 3 / Teacher Key

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

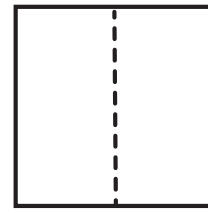
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



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
718	>	592
816	>	399
110	<	123

exact answer, 

1	1
2	2
3	3

  
points per box

3. List three numbers that are multiples of 6:

12   18   24 or equivalent

exact answer, 

1	2
2	4
3	6

  
points per line

4. Patrick saw 29 geese at the park yesterday and 27 geese today. Aiden saw 38 geese total. How many more geese did Patrick see than Aiden? 18 geese.

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
0.57	<	0.64
0.29	<	0.91
0.34	<	0.35

exact answer, 

1	2
2	4
3	6

  
points per box

6. Kate went fishing for 3 hours and 57 minutes. How many minutes total did Kate fish?

237 minutes.

correct digits 

1	4
2	9
3	14

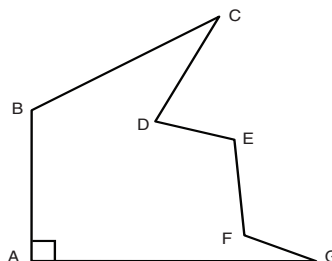


**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 3 / Teacher Key**

7. Name one right angle: A or equivalent

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

Name one acute angle: C, D, or G 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
1433	1,400	1,430	1,000
4462	4,500	4,460	4,000

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

9. Cecil is 8 years old. Fran is 40 years old. How many times older is Fran than Cecil? 5 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
$\frac{9}{10}$	>	$\frac{2}{5}$
$\frac{3}{4}$	>	$\frac{5}{12}$

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

11. Convert meters into centimeters. 1 meter = 100 centimeters:

Meters	Centimeters
2	200
3	300
9	900

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

12. Draw two lines that are parallel:



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

13. Write the following in expanded form: 78,293

70,000 + 8,000 + 200 + 90 + 3

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 3 / Teacher Key**

14. Flynn sang for 5 hours and 46 minutes. Then he sang for 33 more minutes. What is the total number of minutes that Flynn sang?

379 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{7}{10} = \underline{.7}$$

$$\frac{94}{100} = \underline{.94}$$

exact answer, 

1	2
2	4

  
points per line

16. Santos bought a toy for \$17.91. He gave the clerk \$20.00. How much change did he get back? \$ 2.09

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **47, 83, 72, 78**

Write which are prime numbers: 47, 83.

Write which are composite numbers: 72, 78.

exact answer, 

1	1
2	2
3	3
4	4

  
points per line

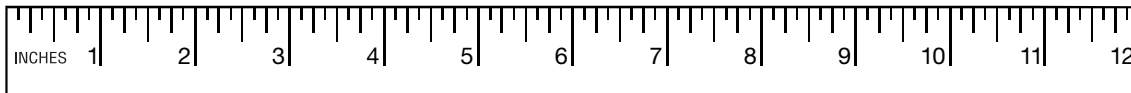
18. Laura traveled for 6 hours.  $\frac{2}{3}$  of that time was spent in an airplane. How long was she in the airplane?

4 hour(s).

correct digits 1 | 6

19. The pencil is  $5\frac{1}{4}$  inches long and the pen is  $8\frac{1}{2}$  inches long. Exactly how much longer is the pen than the pencil?

$3\frac{1}{4}$  inches.



correct digits 

1	3
2	6
3	9

20. Clayton is planting seeds in his garden. The area of the garden is 35 square feet. The length is 7 feet. How wide is the garden?

5 feet.

correct digits 1 | 4

**Scoring Direction**

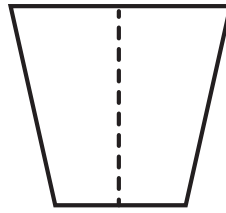
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or

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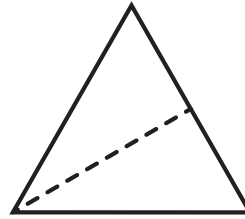
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 4 / Teacher Key

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

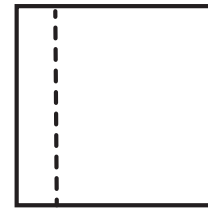
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



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
560	<	869
554	>	188
178	<	276

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

3. List three numbers that are multiples of 9:

18 27 36 or equivalent

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

4. Zoey told 14 jokes yesterday and 18 jokes today. Zach told 19 jokes total. How many more jokes did Zoey tell than Zach?

13 jokes.

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
0.75	>	0.56
0.47	<	0.87
0.25	<	0.41

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

6. Mia was inside the house for 4 hours and 20 minutes. How many minutes total was Mia inside the house?

260 minutes.

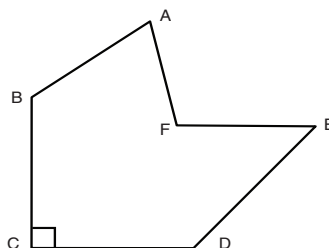
correct digits 1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 4 / Teacher Key**

7. Name one right angle: C or equivalent

Name one obtuse angle: B, D, or F or equivalent

Name one acute angle: A or E 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
7173	7,200	7,170	7,000
4746	4,700	4,750	5,000

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

9. Paige is 6 years old. Her grandma is 54 years old. How many times older is her grandma than Paige?

9 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
$\frac{1}{10}$	<	$\frac{2}{5}$
$\frac{2}{4}$	>	$\frac{3}{8}$

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

11. Convert liters into milliliters. 1 liter = 1000 milliliters:

Liters	Milliliters
5	5,000
8	8,000
6	6,000

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: **68,655**

60,000 + 8,000 + 600 + 50 + 5

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 4 / Teacher Key**

14. Bo washes cars for 5 hours and 42 minutes. He then washes cars for 17 more minutes. What is the total number of minutes that Bo washes cars? 359 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{5}{10} = \underline{.5}$$

$$\frac{34}{100} = \underline{.34}$$

exact answer, 

1	2
2	4

  
points per line

16. Julia bought a gift for her mom for \$13.65. She gave the clerk \$20.00. How much change did she get back?

\$ 6.35

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **47, 52, 81, 41**

Write which are prime numbers: 47, 41.

Write which are composite numbers: 52, 81.

exact answer, 

1	1
2	2
3	3
4	4

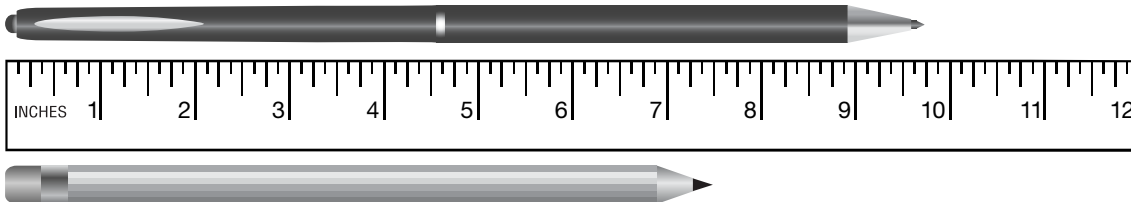
  
points per line

18. Hannah has 8 hats.  $\frac{1}{4}$  of her hats are green. How many green hats does she have? 2 green hat(s).

correct digits 1 | 5

19. The pencil is  $7\frac{1}{2}$  inches long and the pen is  $9\frac{3}{4}$  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. Javier helps his mom in the garden. The area of the garden is 15 square feet. The length is 5 feet. What is the width of the garden? 3 feet.

correct digits 1 | 4

**Scoring Direction**

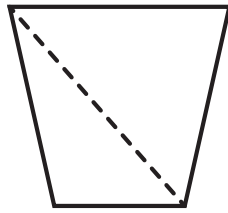
Right to Left  
or

Left to Right

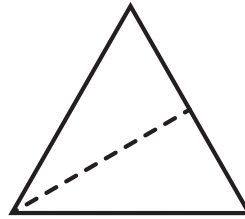
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 5 / Teacher Key

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

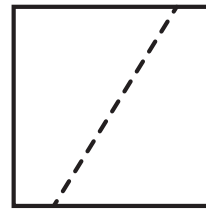
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



no



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
768	<	904
170	<	682
153	<	430

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

3. List three numbers that are multiples of 8:

16 24 32 or equivalent

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

4. Amos saw 19 chickens at the farm last week and 49 chickens this week. Thor saw 29 chickens total. How many more chickens did Amos see than Thor? 39 chickens.

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
0.91	>	0.83
0.11	<	0.57
0.28	<	0.46

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

6. Bruno painted for 3 hours and 29 minutes. How many minutes total did Bruno paint for?

209 minutes.

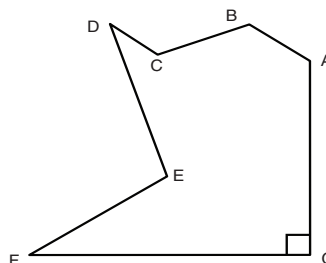
correct digits 1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 5 / Teacher Key**

7. Name one right angle:   **G**   or equivalent

Name one obtuse angle:   **A, B, C, or E**   or equivalent

Name one acute angle:   **D 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
3575	<b>3,600</b>	<b>3,580</b>	<b>4,000</b>
5430	<b>5,400</b>	<b>5,430</b>	<b>5,000</b>

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

9. Chen is 9 years old. Suzanna is 36 years old. How many times older is Suzanna than Chen?   **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
$\frac{5}{8}$	<b>&gt;</b>	$\frac{1}{4}$
$\frac{2}{10}$	<b>&lt;</b>	$\frac{1}{2}$

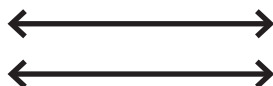
exact answer, 1 | **3**  
 points per box 2 | **6**

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

Hours	Minutes
3	<b>180</b>
5	<b>300</b>
4	<b>240</b>

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

12. Draw two **lines** that are **parallel**:



exact answer, 1 | **1**  
 points per segment 2 | **2**  
 (lines and parallel)

13. Write the following in expanded form: **81,138**

  **80,000 + 1,000 + 100 + 30 + 8**  

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 5 / Teacher Key**

14. Lila went surfing for 5 hours and 58 minutes. Then she surfed for 13 more minutes. What is the total number of minutes that Lila surfed? 371 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{8}{10} = \underline{.8}$$

$$\frac{12}{100} = \underline{.12}$$

exact answer, 

1	2
2	4

  
points per line

16. Marcel bought a shirt for \$21.72. He gave the clerk \$25.00. How much change did he get back? \$ 3.28

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **67, 31, 21, 94**

Write which are prime numbers: 67, 31.

Write which are composite numbers: 21, 94.

exact answer, 

1	1
2	2
3	3
4	4

  
points per line

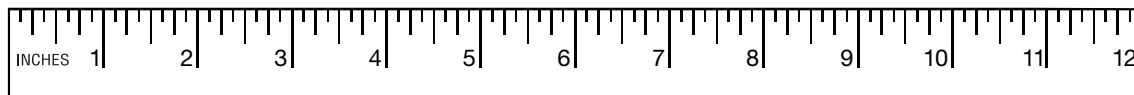
18. Nat's mom was at work for 8 hours.  $\frac{2}{4}$  of that time was spent in meetings. How long was Nat's mom in meetings?

4 hour(s).

correct digits 1 | 6

19. The pencil is  $3\frac{1}{4}$  inches long and the pen is  $5\frac{1}{2}$  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. Louisa built a small shed in her garden. The area of the base of the shed is 20 square feet. The width is 4 feet. How long is the shed? 5 feet.

correct digits 1 | 4



**Scoring Direction**

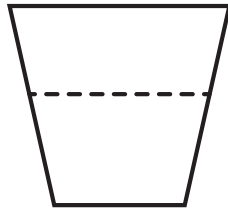
←  
Right to Left  
or

→  
Left to Right

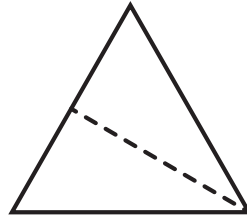
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 6 / Teacher Key

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

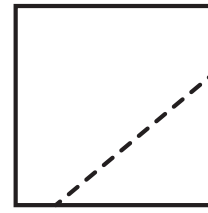
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



no



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
706	<	918
814	>	251
486	>	352

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

3. List three numbers that are multiples of 7:

14   21   28 or equivalent

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

4. Owen found 34 bugs yesterday and 47 bugs today. Kelly found 33 bugs total. How many more bugs did Owen find than Kelly?

48 bugs.

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
0.80	<	0.98
0.59	>	0.34
0.18	<	0.24

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

6. Adam was at school for 5 hours and 21 minutes. How many minutes total was Adam at school?

321 minutes.

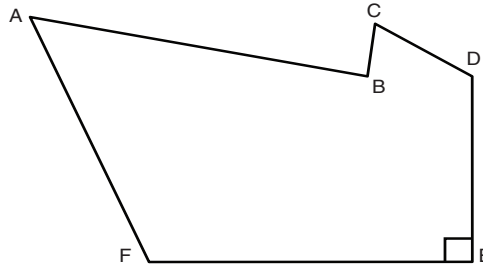
correct digits  
1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 6 / Teacher Key**

7. Name one right angle: E or equivalent

Name one obtuse angle: D or F or equivalent

Name one acute angle: A, B, or C 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
1174	<u>1,200</u>	<u>1,170</u>	<u>1,000</u>
6758	<u>6,800</u>	<u>6,760</u>	<u>7,000</u>

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

9. Andy is 8 years old. His uncle is 56 years old. How many times older is the uncle than Andy? 7 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
$\frac{2}{3}$	<u>&gt;</u>	$\frac{3}{6}$
$\frac{1}{8}$	<u>&lt;</u>	$\frac{1}{2}$

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

11. Convert kilograms into grams. 1 kilogram = 1000 grams:

Kilograms	Grams
8	<u>8,000</u>
6	<u>6,000</u>
9	<u>9,000</u>

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: **51,262**

50,000 + 1,000 + 200 + 60 + 2

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 6 / Teacher Key**

14. Amy danced for 3 hours and 15 minutes. She then danced for 32 more minutes. What is the total number of minutes that Amy danced? 227 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{2}{10} = \underline{.2}$$

$$\frac{98}{100} = \underline{.98}$$

exact answer, 

1	2
2	4

  
points per line

16. Rachel buys a shirt for \$13.57. She gives the clerk \$20.00. How much change does she get back? \$ 6.43

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **81, 89, 97, 62**

Write which are prime numbers: 89, 97.

Write which are composite numbers: 81, 62.

exact answer, 

1	1
2	2
3	3
4	4

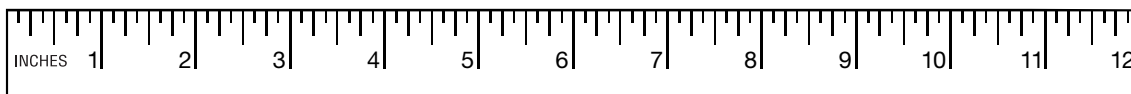
  
points per line

18. Laura has 4 pens.  $\frac{1}{2}$  of her pens are red. How many red pens does she have? 2 red pen(s).

correct digits 1 | 6

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

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



correct digits 

1	3
2	6
3	9

20. Sara and her friends play tag in her yard. The area of her yard is 45 square meters. The width is 5 meters. What is the length of her yard? 9 meters.

correct digits 1 | 4

**Scoring Direction**


Right to Left

or

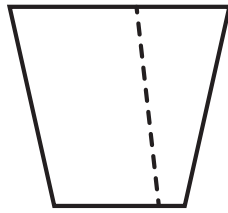
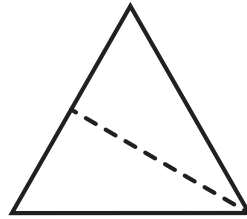
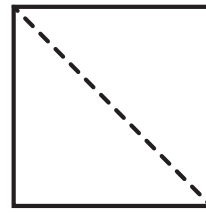


Left to Right

# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 7 / Teacher Key

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

yes

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
550	<	589
484	<	772
365	>	221

 exact answer, points per box
 

1	1
2	2
3	3

3. List three numbers that are multiples of 7:

14   21   28 or equivalent

 exact answer, points per line
 

1	2
2	4
3	6

4. Aria worked on the project for 45 minutes and then for 26 minutes. Tommy worked on it for 25 minutes total. How many more minutes did Aria work than Tommy? 46 minutes.

 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
0.60	<	0.72
0.27	<	0.53
0.24	>	0.15

 exact answer, points per box
 

1	2
2	4
3	6

6. Claudia went skateboarding at the park for 4 hours and 7 minutes. How many minutes total did Claudia skate?

247 minutes.

 correct digits
 

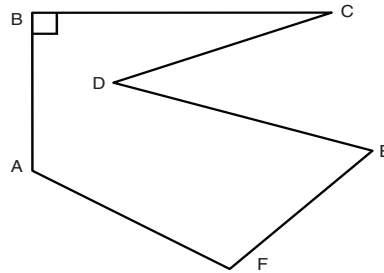
1	4
2	9
3	14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 7 / Teacher Key**

7. Name one right angle: B or equivalent

Name one obtuse angle: A or F or equivalent

Name one acute angle: C, D, or E 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
3817	3,800	3,820	4,000
7388	7,400	7,390	7,000

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

9. Chase is 4 years old. Brie is 36 years old. How many times older is Brie compared to Chase? 9 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
$\frac{1}{3}$	<	$\frac{8}{9}$
$\frac{5}{6}$	=	$\frac{10}{12}$

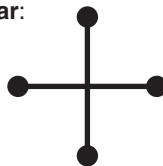
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert meters into centimeters. 1 meter = 100 centimeters:

Meters	Centimeters
7	700
3	300
9	900

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

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



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

13. Write the following in expanded form: **84,767**

80,000 + 4,000 + 700 + 60 + 7

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

**Acadience® Math / Concepts and Applications  
Level 4 / Progress Monitoring 7 / Teacher Key**

14. Dominic rode the train for 7 hours and 17 minutes. Then he rode for 42 more minutes. What is the total number of minutes that Dominic rode on the train? 479 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{1}{10} = \underline{.1}$$

$$\frac{51}{100} = \underline{.51}$$

exact answer, 

1	2
2	4

  
points per line

16. Lin bought some groceries for \$18.55. She gave the clerk \$20.00. How much change did she get back?

\$ 1.45

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **44, 49, 73, 43**

Write which are prime numbers: 73, 43.

Write which are composite numbers: 44, 49.

exact answer, 

1	1
2	2
3	3
4	4

  
points per line

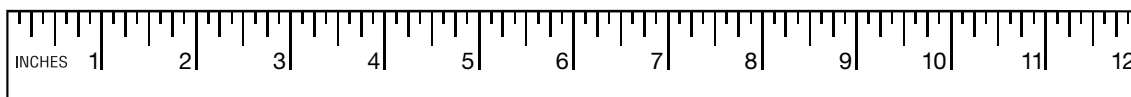
18. James played at the park for 4 hours.  $\frac{1}{4}$  of that time was spent flying a kite. How long did he fly a kite?

1 hour(s).

correct digits 1 | 6

19. The pencil is  $3\frac{1}{4}$  inches long and the pen is  $8\frac{1}{2}$  inches long. Exactly how much longer is the pen than the pencil?

$5\frac{1}{4}$  inches.



correct digits 

1	3
2	6
3	9

20. Pat got a new blanket for his bed. The area of the blanket is 42 square feet. The width is 6 feet. How long is the blanket?

7 feet.

correct digits 1 | 4

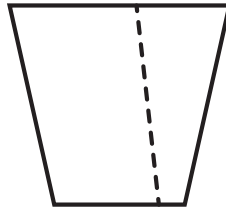
**Scoring Direction**

 Right to Left  
 or  
 Left to Right

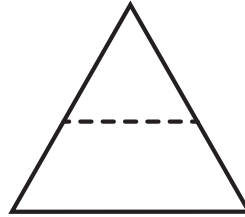
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 8 / Teacher Key

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

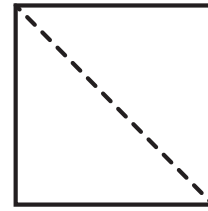
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



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
739	<	838
808	>	363
154	<	495

exact answer, 

1	1
2	2
3	3

  
points per box

3. List three numbers that are multiples of 9:

18 27 36 or equivalent

exact answer, 

1	2
2	4
3	6

  
points per line

4. Hannah picked 17 red apples and 24 green apples. Lucas picked 18 apples total. How many more apples did Hannah pick than Lucas? 23 apples.

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
0.99	>	0.58
0.58	>	0.39
0.17	<	0.40

exact answer, 

1	2
2	4
3	6

  
points per box

6. Jasmine worked for 5 hours and 48 minutes. How many minutes total did Jasmine work?

348 minutes.

correct digits 

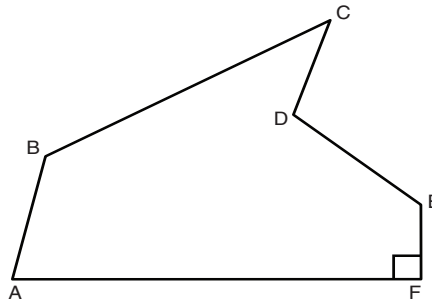
1	4
2	9
3	14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 8 / Teacher Key**

7. Name one right angle: F or equivalent

Name one obtuse angle: B, D, or E or equivalent

Name one acute angle: A or C 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
2725	<u>2,700</u>	<u>2,730</u>	<u>3,000</u>
9827	<u>9,800</u>	<u>9,830</u>	<u>10,000</u>

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

9. Chloe is 8 years old. Maya is 64 years old. How many times older is Maya than Chloe? 8 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
$\frac{6}{9}$	<u>&gt;</u>	$\frac{1}{3}$
$\frac{2}{6}$	<u>&lt;</u>	$\frac{1}{2}$

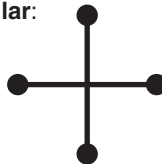
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert meters into centimeters. 1 meter = 100 centimeters:

Meters	Centimeters
3	<u>300</u>
5	<u>500</u>
8	<u>800</u>

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

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



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

13. Write the following in expanded form: **18,295**

10,000 + 8,000 + 200 + 90 + 5

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



**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 8 / Teacher Key**

14. The birds sang for 5 hours and 59 minutes. Then they sang for 31 more minutes. What is the total number of minutes that the birds sang? 390 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{2}{10} = \underline{.2}$$

$$\frac{83}{100} = \underline{.83}$$

exact answer, 

1	2
2	4

  
points per line

16. Mia bought a shirt for \$18.43. She gave the clerk \$20.00. How much change did she get back? \$ 1.57

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **52, 29, 31, 49**

Write which are prime numbers: 29, 31.

Write which are composite numbers: 52, 49.

exact answer, 

1	1
2	2
3	3
4	4

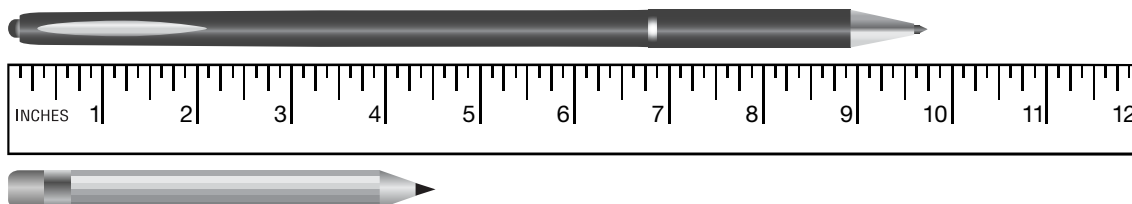
  
points per line

18. Leo has 3 balloons.  $\frac{2}{3}$  of his balloons are red. How many red balloons does he have? 2 red balloon(s).

correct digits 1 | 6

19. The pencil is  $4\frac{1}{2}$  inches long and the pen is  $9\frac{3}{4}$  inches long. Exactly how much longer is the pen than the pencil?

$5\frac{1}{4}$  inches.



correct digits 

1	3
2	6
3	9

20. Stella is planting a garden. The area of the garden is 56 square feet. The length is 8 feet. How wide is the garden?

7 feet.

correct digits 1 | 4

**Scoring Direction**

←  
Right to Left

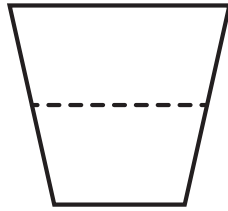
or

→  
Left to Right

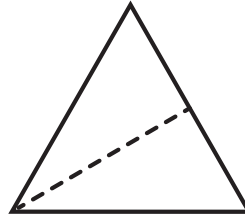
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 9 / Teacher Key

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

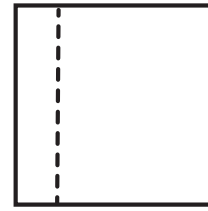
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



no



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
690	>	549
565	>	191
251	<	429

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. Zoe won 32 races last summer and 29 races this summer. Ella won 19 races total. How many more races did Zoe win than Ella?

42 races.

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
0.54	<	0.94
0.29	<	0.92
0.49	>	0.27

exact answer, points per box

1	2
2	4
3	6

6. Max played at the park for 3 hours and 52 minutes. How many minutes total did Max play at the park? 232 minutes.

correct digits

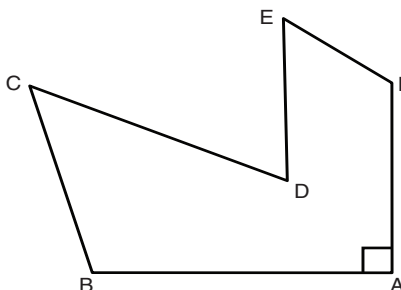
1	4
2	9
3	14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 9 / Teacher Key**

7. Name one right angle:   A   or equivalent

Name one obtuse angle:   B or F   or equivalent

Name one acute angle:   C, D, or E   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
7875	7,900	7,880	8,000
9141	9,100	9,140	9,000

exact answer, points per box

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

9. Daniel is 9 years old. Zack is 36 years old. How many times older is Zack than Daniel?   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
$\frac{2}{3}$	<	$\frac{9}{12}$
$\frac{1}{2}$	>	$\frac{2}{6}$

exact answer, points per box

1	3
2	6

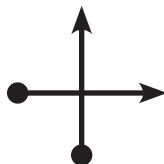
11. Convert hours into minutes. 1 hour = 60 minutes:

Hours	Minutes
3	180
4	240
9	540

exact answer, points per box

1	2
2	4
3	6

12. Draw two rays that are perpendicular:



exact answer, points per segment (rays and perpendicular)

1	1
2	2

13. Write the following in expanded form: **92,819**

90,000 + 2,000 + 800 + 10 + 9

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

1	1
2	2
3	3
4	4
5	5

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 9 / Teacher Key**

14. The wolf howled for 3 hours and 45 minutes. Then it howled for 26 more minutes. What is the total number of minutes that the wolf howled? 251 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

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

$$\frac{57}{100} = \underline{.57}$$

exact answer, 

1	2
2	4

  
points per line

16. Aiden bought a backpack for \$17.64. He gave the clerk \$20.00. How much change did he get back?  
\$ 2.36

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **43, 100, 74, 23**

Write which are prime numbers: 43, 23.

Write which are composite numbers: 100, 74.

exact answer, 

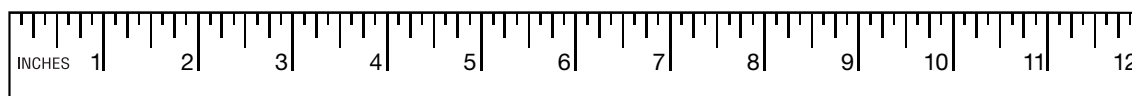
1	1
2	2
3	3
4	4

  
points per line

18. The teacher has 4 pens.  $\frac{1}{2}$  of the pens are blue. How many blue pens does the teacher have?  
2 blue pen(s).

correct digits 1 | 6

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. Adam is pulling weeds in the yard. The area of the yard is 12 square meters. The length is 4 meters. How wide is the yard?  
3 meters.

correct digits 1 | 4

**Scoring Direction**

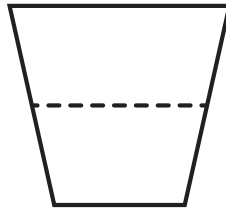
Right to Left  
or

Left to Right

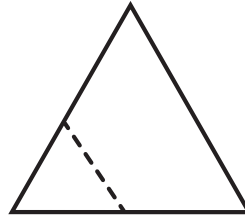
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 10 / Teacher Key

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

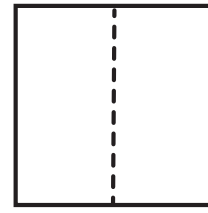
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



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
856	>	536
464	<	615
439	>	409

exact answer, 

1	1
2	2
3	3

  
points per box

3. List three numbers that are multiples of 9:

18 27 36 or equivalent

exact answer, 

1	2
2	4
3	6

  
points per line

4. Omar drew 27 pictures last week and 17 pictures this week. Molly drew 28 pictures total. How many more pictures did Omar draw than Molly? 16 pictures.

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
0.51	<	0.54
0.37	<	0.78
0.46	>	0.31

exact answer, 

1	2
2	4
3	6

  
points per box

6. Sydney played cards for 3 hours and 32 minutes. How many minutes total did Sydney play? 212 minutes.

correct digits 

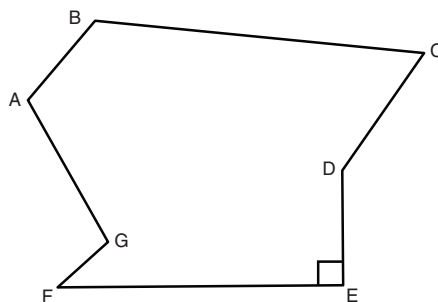
1	4
2	9
3	14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 10 / Teacher Key**

7. Name one right angle: E or equivalent

Name one obtuse angle: A, B, D, or G or equivalent

Name one acute angle: C or F or equivalent



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

8. Round...

Number	...to the nearest hundred	...to the nearest ten	...to the nearest thousand
9762	<b>9,800</b>	<b>9,760</b>	<b>10,000</b>
5616	<b>5,600</b>	<b>5,620</b>	<b>6,000</b>

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

9. Emma is 8 years old. Allison is 40 years old. How many times older is Allison than Emma? 5 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
$\frac{2}{8}$	<b>&lt;</b>	$\frac{1}{2}$
$\frac{2}{3}$	<b>&gt;</b>	$\frac{4}{9}$

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

11. Convert minutes into seconds. 1 minute = 60 seconds:

Minutes	Seconds
5	<b>300</b>
6	<b>360</b>
8	<b>480</b>

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

12. Draw two **rays** that are **parallel**:



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

13. Write the following in expanded form: **21,858**

20,000 + 1,000 + 800 + 50 + 8

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 10 / Teacher Key**

14. Sara slept for 8 hours and 18 minutes. Then she slept for 35 more minutes. What is the total number of minutes that Sara slept?

533 minutes.  


correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{4}{10} = \underline{.4}$$


$$\frac{28}{100} = \underline{.28}$$

exact answer, 

1	2
2	4

  
points per line

16. Courtney bought a swimsuit for \$22.17. She gave the clerk \$25.00. How much change did she get back? \$ 2.83

  
correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **51, 43, 31, 60**


Write which are prime numbers: 43, 31.

Write which are composite numbers: 51, 60.

exact answer, 

1	1
2	2
3	3
4	4

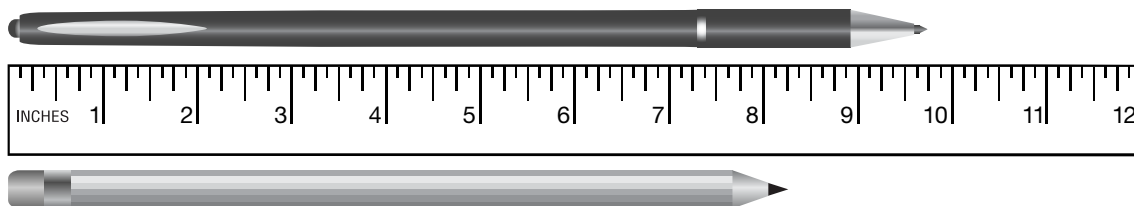
  
points per line

18. The teacher has 8 cups.  $\frac{3}{4}$  of her cups are red. How many red cups does she have? 6 red cup(s).  


correct digits 1 | 6


19. The pencil is  $8\frac{1}{4}$  inches long and the pen is  $9\frac{3}{4}$  inches long. Exactly how much longer is the pen than the pencil?

1  $\frac{1}{2}$  inches.  
or equivalent



correct digits 

1	3
2	6
3	9

20. Andre is drawing on some paper. The area of the paper is 35 square inches. The width is 5 inches. What is the length of the paper? 7 inches.  


correct digits 1 | 4

**Scoring Direction**


Right to Left

or

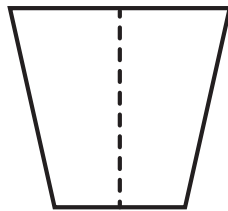
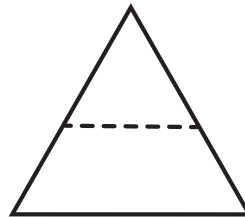
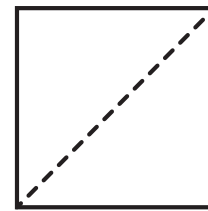


Left to Right

# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 11 / Teacher Key

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

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


yes

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
790	>	588
626	>	178
116	<	212

 exact answer, 

1	1
2	2
3	3

  
points per box
 

3. List three numbers that are multiples of 5:

10   15   20 or equivalent

 exact answer, 

1	2
2	4
3	6

  
points per line
 

4. Kim walked 18 dogs last week and 28 dogs this week. Violet walked 27 dogs total. How many more dogs did Kim walk than Violet? 19 dogs.

 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
0.91	>	0.58
0.51	>	0.44
0.25	<	0.29

 exact answer, 

1	2
2	4
3	6

  
points per box
 

6. John was at school for 5 hours and 24 minutes. How many minutes total was John at school? 324 minutes.

 correct digits 

1	4
2	9
3	14

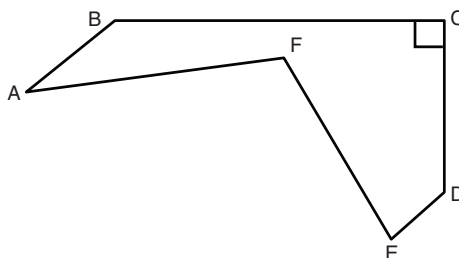


**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 11 / Teacher Key**

7. Name one right angle: C or equivalent

Name one obtuse angle: B, D, or F or equivalent

Name one acute angle: A or E or equivalent



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

8. Round...

Number	...to the nearest hundred	...to the nearest ten	...to the nearest thousand
4650	<u>4,700</u>	<u>4,650</u>	<u>5,000</u>
7302	<u>7,300</u>	<u>7,300</u>	<u>7,000</u>

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

9. Tristan is 4 years old. Miles is 32 years old. How many times older is Miles than Tristan? 8 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
$\frac{1}{2}$	<u>&lt;</u>	$\frac{8}{12}$
$\frac{2}{9}$	<u>&lt;</u>	$\frac{1}{3}$

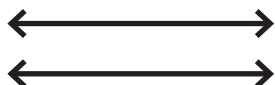
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert kilometers into meters. 1 kilometer = 1000 meters:

Kilometers	Meters
6	<u>6,000</u>
3	<u>3,000</u>
7	<u>7,000</u>

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

12. Draw two **lines** that are **parallel**:



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

13. Write the following in expanded form: **66,897**

60,000 + 6,000 + 800 + 90 + 7

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 11 / Teacher Key**

14. Luke worked on his bike for 4 hours and 12 minutes. Then he worked for 32 more minutes. What is the total number of minutes that Luke worked? 284 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{7}{10} = \underline{.7}$$

$$\frac{26}{100} = \underline{.26}$$

exact answer, points per line 

1	2
2	4

16. Josh bought a birdhouse for \$21.17. He gave the clerk \$25.00. How much change did he get back? \$ 3.83

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **71, 20, 48, 53**

Write which are prime numbers: 71, 53.

Write which are composite numbers: 20, 48.

exact answer, points per line 

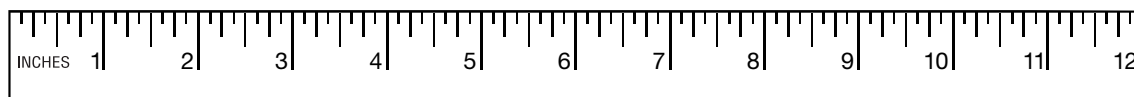
1	1
2	2
3	3
4	4

18. Taylor has 3 hats.  $\frac{1}{3}$  of his hats are green. How many green hats does he have? 1 green hat(s).

correct digits 1 | 6

19. The pencil is  $4\frac{1}{4}$  inches long and the pen is  $7\frac{1}{2}$  inches long. Exactly how much longer is the pen than the pencil?

$3\frac{1}{4}$  inches.



correct digits 

1	3
2	6
3	9

20. Anna is looking at a picture. The area of the picture is 12 square inches. The width is 3 inches. What is the length of the picture?

4 inches.

correct digits 1 | 4

**Scoring Direction**

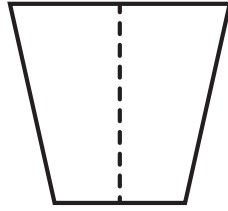
←  
Right to Left  
or

→  
Left to Right

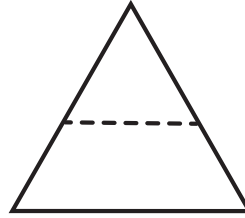
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 12 / Teacher Key

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

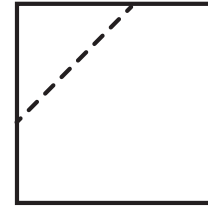
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



yes



no



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
649	<	865
482	<	593
206	>	167

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

3. List three numbers that are multiples of 5:

10   15   20 or equivalent

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

4. Maria found 18 rocks last week and 29 rocks this week. Brooke found 28 rocks total. How many more rocks did Maria find than Brooke? 19 rocks.

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
0.92	<	0.95
0.59	>	0.26
0.14	<	0.27

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

6. The dog was outside for 5 hours and 29 minutes. How many minutes total was the dog outside?

329 minutes.

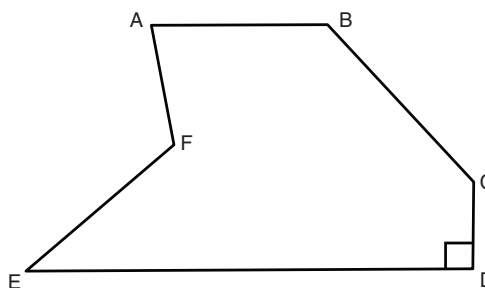
correct digits 1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 12 / Teacher Key**

7. Name one right angle: D or equivalent

Name one obtuse angle: B, C, or F or equivalent

Name one acute angle: A or E 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
1426	<u>1,400</u>	<u>1,430</u>	<u>1,000</u>
7245	<u>7,200</u>	<u>7,250</u>	<u>7,000</u>

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

9. Juan is 3 years old. Emma is 27 years old. How many times older is Emma than Juan? 9 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
$\frac{3}{4}$	<u>&gt;</u>	$\frac{4}{8}$
$\frac{3}{6}$	<u>&gt;</u>	$\frac{1}{12}$

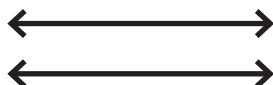
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert liters into milliliters. 1 liter = 1000 milliliters:

Liters	Milliliters
3	<u>3,000</u>
6	<u>6,000</u>
8	<u>8,000</u>

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

12. Draw two **lines** that are **parallel**:



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

13. Write the following in expanded form: **45,354**

40,000 + 5,000 + 300 + 50 + 4

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 12 / Teacher Key**

14. Jay played outside for 6 hours and 51 minutes. Then he played for 58 more minutes. What is the total number of minutes that Jay played? 469 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{1}{10} = \underline{.1}$$

$$\frac{12}{100} = \underline{.12}$$

exact answer, 

1	2
2	4

  
points per line

16. Michael bought a hat for \$12.56. He gave the clerk \$15.00. How much change did he get back? \$ 2.44

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **53, 46, 63, 31**

Write which are prime numbers: 53, 31.

Write which are composite numbers: 46, 63.

exact answer, 

1	1
2	2
3	3
4	4

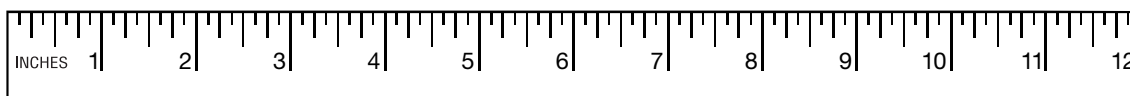
  
points per line

18. Eric has 3 sisters.  $\frac{2}{3}$  of his sisters are older than him. How many older sisters does he have? 2 older sister(s).

correct digits 1 | 6

19. The pencil is  $3\frac{1}{4}$  inches long and the pen is  $6\frac{3}{4}$  inches long. Exactly how much longer is the pen than the pencil?

$3\frac{1}{2}$  inches.  
or equivalent



correct digits 

1	3
2	6
3	9

20. Sara is working in her garden. The area of the garden is 18 square feet. The length is 6 feet. How wide is the garden?

3 feet.

correct digits 1 | 4

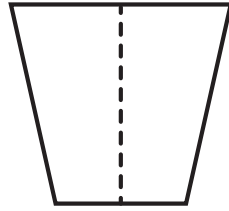
**Scoring Direction**

 Right to Left  
 or  
 Left to Right

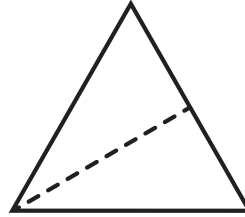
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 13 / Teacher Key

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

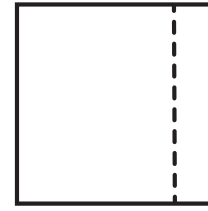
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



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
823	>	773
845	>	413
102	<	226

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

3. List three numbers that are multiples of 8:

16 24 32 or equivalent

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

4. Cole made 15 baskets in the last game and 27 baskets in the game today. Blake made 29 baskets total. How many more baskets did Cole make than Blake? 13 baskets.

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
0.79	<	0.90
0.40	<	0.94
0.36	>	0.19

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

6. The movie was 2 hours and 18 minutes long. How many minutes total was the movie? 138 minutes.

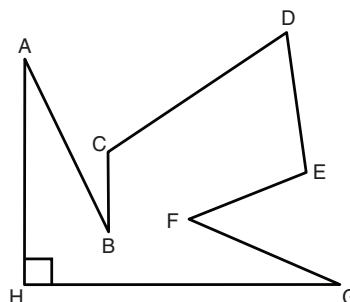
correct digits 1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 13 / Teacher Key**

7. Name one right angle: H or equivalent

Name one obtuse angle: C or E or equivalent

Name one acute angle: A, B, D, F, or G 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
9882	<u>9,900</u>	<u>9,880</u>	<u>10,000</u>
3616	<u>3,600</u>	<u>3,620</u>	<u>4,000</u>

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

9. Mark is 4 years old. Charles is 24 years old. How many times older is Charles than Mark? 6 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
$\frac{2}{4}$	<u>=</u>	$\frac{1}{2}$
$\frac{4}{5}$	<u>&gt;</u>	$\frac{7}{10}$

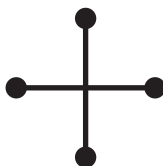
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert kilometers into meters. 1 kilometer = 1000 meters:

Kilometers	Meters
7	<u>7,000</u>
4	<u>4,000</u>
9	<u>9,000</u>

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

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



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

13. Write the following in expanded form: **91,292**

90,000 + 1,000 + 200 + 90 + 2

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 13 / Teacher Key**

14. Doug was at school for 7 hours and 58 minutes. Then he went back for 31 more minutes. What is the total number of minutes that Doug was at school? 509 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{2}{10} = \underline{.2}$$

$$\frac{64}{100} = \underline{.64}$$

exact answer, 

1	2
2	4

  
points per line

16. Molly bought some flowers for \$11.72. She gave the clerk \$20.00. How much change did she get back? \$ 8.28

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **97, 26, 88, 59**

Write which are prime numbers: 97, 59.

Write which are composite numbers: 26, 88.

exact answer, 

1	1
2	2
3	3
4	4

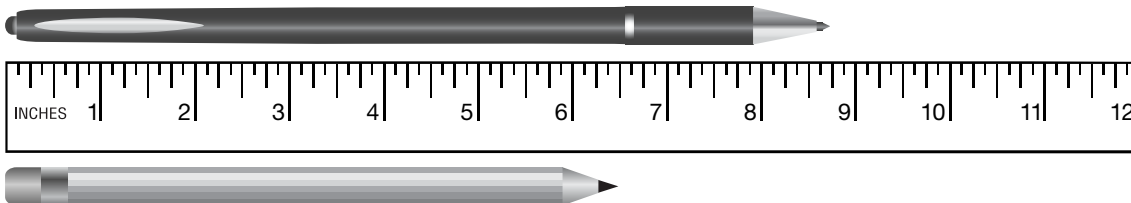
  
points per line

18. Alisha has 9 fish.  $\frac{1}{3}$  of her fish are red. How many red fish does she have? 3 red fish.

correct digits 1 | 6

19. The pencil is  $6\frac{1}{2}$  inches long and the pen is  $8\frac{3}{4}$  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. Sheila is watching a movie at school. The area of the screen is 12 square feet. The width is 3 feet. What is the length of the screen? 4 feet.

correct digits 1 | 4



**Scoring Direction**

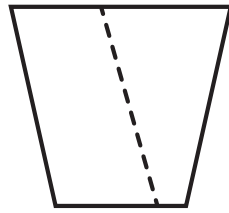
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Right to Left  
or

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Left to Right

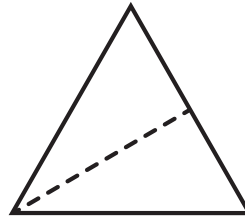
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 14 / Teacher Key

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

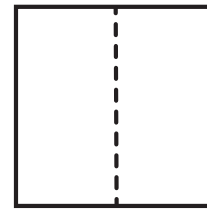
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



no



yes



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
699	<	735
502	>	112
426	>	345

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

3. List three numbers that are multiples of 8:

16 24 32 or equivalent

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

4. Ashley found 18 cans last week and 19 cans this week. Jessica found 19 cans total. How many more cans did Ashley find than Jessica? 18 cans.

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
0.95	<	0.98
0.83	>	0.18
0.49	>	0.39

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

6. Gavin washed cars for 2 hours and 26 minutes. How many minutes total did Gavin wash cars? 146 minutes.

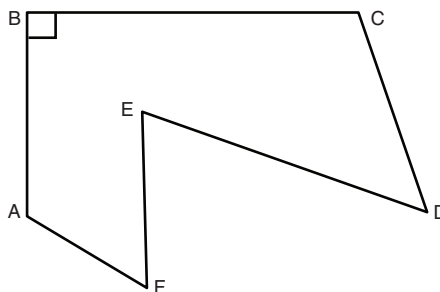
correct digits 1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 14 / Teacher Key**

7. Name one right angle: B or equivalent

Name one obtuse angle: A or C or equivalent

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



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

8. Round...

Number	...to the nearest hundred	...to the nearest ten	...to the nearest thousand
4621	<u>4,600</u>	<u>4,620</u>	<u>5,000</u>
1846	<u>1,800</u>	<u>1,850</u>	<u>2,000</u>

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

9. Lisa is 8 years old. Sandy is 48 years old. How many times older is Sandy than Lisa? 6 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
$\frac{2}{12}$	<u>&lt;</u>	$\frac{1}{2}$
$\frac{8}{10}$	<u>&gt;</u>	$\frac{1}{5}$

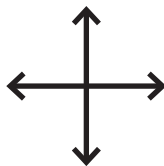
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert liters into milliliters. 1 liter = 1000 milliliters:

Liters	Milliliters
5	<u>5,000</u>
3	<u>3,000</u>
6	<u>6,000</u>

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

12. Draw two lines that are perpendicular:



exact answer, 1 | 1  
 points per segment 2 | 2  
 (lines and perpendicular)


13. Write the following in expanded form: 65,228

60,000 + 5,000 + 200 + 20 + 8

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 14 / Teacher Key**

14. Paul hiked for 6 hours and 57 minutes. Then he hiked for 34 more minutes. What is the total number of minutes that Paul hiked?

451 minutes.  


correct digits 

1	5
2	10
3	16


15. Write the fractions as a decimal:

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

$\frac{61}{100} =$  .61

exact answer, points per line 

1	2
2	4

16. Donna bought a plant for \$11.57. She gave the clerk \$15.00. How much change did she get back? \$ 3.43  


correct digits 

1	3
2	6
3	9
4	12


17. Prime or composite: **83, 28, 45, 67**

Write which are prime numbers: 83, 67.

Write which are composite numbers: 28, 45.


exact answer, points per line 

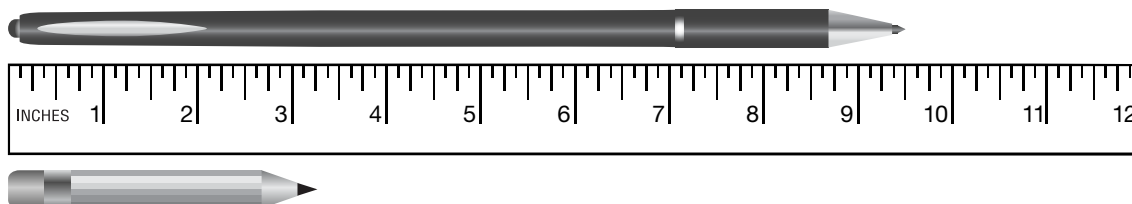
1	1
2	2
3	3
4	4

18. Brian has 4 shirts.  $\frac{1}{4}$  of his shirts are blue. How many blue shirts does he have? 1 blue shirt(s).  


correct digits 1 | 6

19. The pencil is  $3\frac{1}{4}$  inches long and the pen is  $9\frac{1}{2}$  inches long. Exactly how much longer is the pen than the pencil?

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




correct digits 

1	3
2	6
3	9

20. Laura is drawing on some paper. The area of the paper is 18 square inches. The width is 3 inches. What is the length of the paper? 6 inches.  


correct digits 1 | 4

**Scoring Direction**

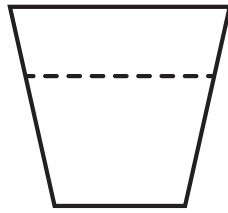
Right to Left  
or

Left to Right

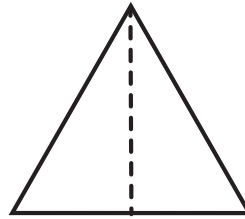
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 15 / Teacher Key

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

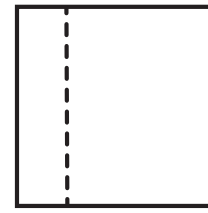
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



no



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
886	>	674
495	<	740
203	>	103

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

3. List three numbers that are multiples of 7:

14 21 28 or equivalent

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

4. Michael ate 23 peanuts at lunch and then ate 17 more peanuts at dinner. Brian ate 24 peanuts total. How many more peanuts did Michael eat than Brian? 16 peanuts.

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
0.67	>	0.51
0.38	<	0.84
0.32	<	0.45

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

6. Ava rode her bike for 4 hours and 13 minutes. How many minutes total did she ride her bike? 253 minutes.

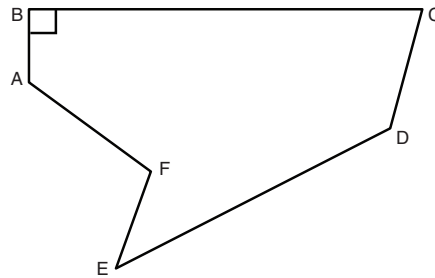
correct digits 1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 15 / Teacher Key**

7. Name one right angle:   B   or equivalent

Name one obtuse angle:   A, D, or F   or equivalent

Name one acute angle:   C or E   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
6737	<u>6,700</u>	<u>6,740</u>	<u>7,000</u>
8701	<u>8,700</u>	<u>8,700</u>	<u>9,000</u>

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

9. Roy is 7 years old. Thomas is 28 years old. How many times older is Thomas than Roy?   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
$\frac{3}{4}$	<u>  &gt;  </u>	$\frac{1}{8}$
$\frac{1}{9}$	<u>  &lt;  </u>	$\frac{1}{3}$

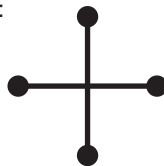
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert kilometers into meters. 1 kilometer = 1000 meters:

Kilometers	Meters
7	<u>7,000</u>
8	<u>8,000</u>
2	<u>2,000</u>

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

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



exact answer, 1 | 1  
 points per segment 2 | 2  
 (line segments and perpendicular) 3 | 3  
 4 | 4  
 5 | 5


13. Write the following in expanded form: **54,763**

  50,000 + 4,000 + 700 + 60 + 3  

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 15 / Teacher Key**

14. Karen slept for 9 hours and 45 minutes. Then she slept for 12 more minutes. What is the total number of minutes that Karen slept?

597 minutes.  


correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$\frac{7}{10} =$  .7

$\frac{76}{100} =$  .76

exact answer, 

1	2
2	4

  
points per line

16. Steven bought some music for \$23.47. He gave the clerk \$25.00. How much change did he get back?

\$ 1.53  


correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **55, 37, 25, 53**

Write which are prime numbers: 37, 53.


Write which are composite numbers: 55, 25.

exact answer, 

1	1
2	2
3	3
4	4


  
points per line

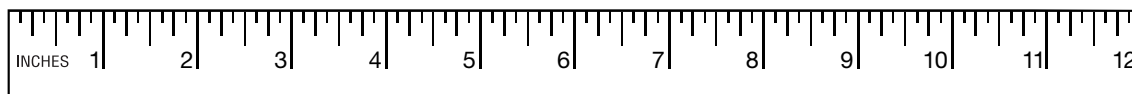
18. The room has 9 chairs.  $\frac{2}{3}$  of the chairs are metal. How many metal chairs does the room have?

6 metal chair(s).  


correct digits 1 | 6

19. The pencil is  $5\frac{1}{2}$  inches long and the pen is  $6\frac{3}{4}$  inches long. Exactly how much longer is the pen than the pencil?

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




correct digits 

1	3
2	6
3	9

20. The man is mowing the yard. The area of the yard is 24 square meters. The length is 6 meters. What is the width of the yard?

4 meters.  


correct digits 1 | 4

**Scoring Direction**

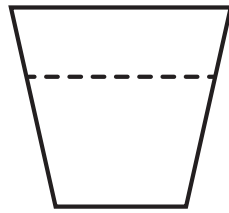
Right to Left  
or

Left to Right

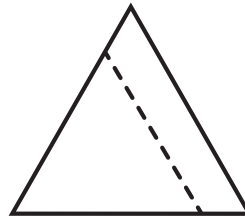
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 16 / Teacher Key

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

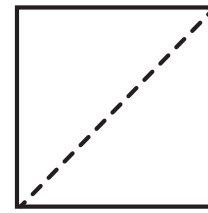
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



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
695	>	615
966	>	329
313	<	468

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

3. List three numbers that are multiples of 9:

18 27 36 or equivalent

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

4. Ethan saw 19 brown horses and 34 spotted horses. Carter saw 38 horses total. How many more horses did Ethan see than Carter? 15 horses.

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
0.54	<	0.80
0.65	>	0.34
0.48	>	0.13

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

6. Robert cleaned the house for 4 hours and 12 minutes. How many minutes total did Robert clean the house? 252 minutes.

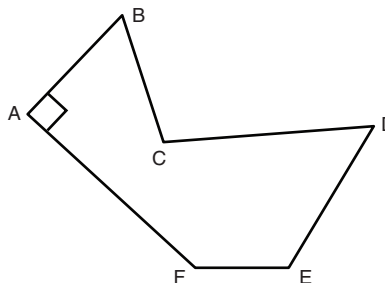
correct digits 1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 16 / Teacher Key**

7. Name one right angle:   A   or equivalent

Name one obtuse angle:   C, E, or F   or equivalent

Name one acute angle:   B or D   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
4775	<b>4,800</b>	<b>4,780</b>	<b>5,000</b>
5070	<b>5,100</b>	<b>5,070</b>	<b>5,000</b>

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

9. Jill is 5 years old. Alex is 20 years old. How many times older is Alex than Jill?   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
$\frac{1}{2}$	<b>&lt;</b>	$\frac{6}{10}$
$\frac{5}{9}$	<b>&lt;</b>	$\frac{2}{3}$

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

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

Hours	Minutes
8	<b>480</b>
3	<b>180</b>
9	<b>540</b>

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

12. Draw two **rays** that are **parallel**:



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

13. Write the following in expanded form: **39,568**

  30,000 + 9,000 + 500 + 60 + 8  

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



**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 16 / Teacher Key**

14. James practiced the flute for 5 hours and 17 minutes. Then he practiced for 27 more minutes. What is the total number of minutes that James practiced? 344 minutes.

correct digits 

1		5
2		10
3		16

15. Write the fractions as a decimal:

$$\frac{3}{10} = \underline{.3}$$

$$\frac{98}{100} = \underline{.98}$$

exact answer, 

1		2
2		4

  
points per line

16. Karen bought a gift for \$17.21. She gave the clerk \$20.00. How much change did she get back? \$ 2.79

correct digits 

1		3
2		6
3		9
4		12

17. Prime or composite: **99, 37, 83, 38**

Write which are prime numbers: 37, 83.

Write which are composite numbers: 99, 38.

exact answer, 

1		1
2		2
3		3
4		4

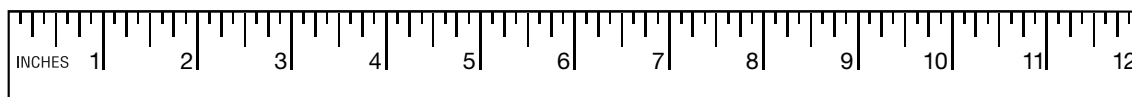
  
points per line

18. The house has 9 lights.  $\frac{1}{3}$  of the lights are turned on. How many lights in the house are on? 3 light(s).

correct digits 1 | 6

19. The pencil is  $3\frac{1}{4}$  inches long and the pen is  $7\frac{3}{4}$  inches long. Exactly how much longer is the pen than the pencil?

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



correct digits 

1		3
2		6
3		9

20. Frank is making a sign. The area of the sign is 63 square inches. The length is 9 inches. What is the width of the sign?

7 inches.

correct digits 1 | 4

**Scoring Direction**

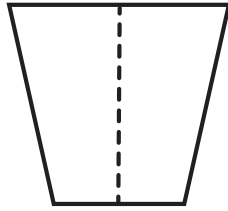
←  
Right to Left  
or

→  
Left to Right

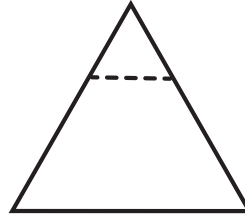
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 17 / Teacher Key

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

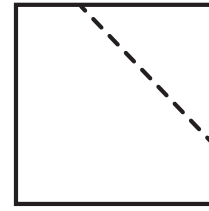
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



yes



no



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
758	<	953
166	<	738
480	>	278

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

3. List three numbers that are multiples of 6:

12    18    24 or equivalent

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

4. Sarah rode 28 miles last week and 46 miles this week. Amy rode 49 miles total. How many more miles did Sarah ride than Amy?

25 miles.

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
0.83	>	0.72
0.12	<	0.89
0.13	<	0.25

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

6. Jennifer was away for 3 hours and 53 minutes. How many minutes total was she away? 233 minutes.

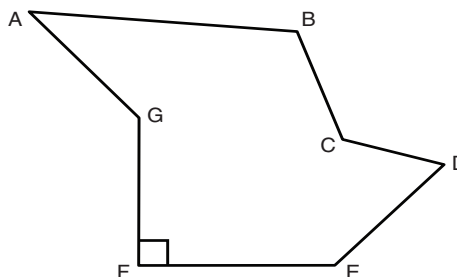
correct digits 1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 17 / Teacher Key**

7. Name one right angle: F or equivalent

Name one obtuse angle: B, C, E, or G or equivalent

Name one acute angle: A or D 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
2631	2,600	2,630	3,000
3775	3,800	3,780	4,000

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

9. Marcus is 3 years old. Taylor is 18 years old. How many times older is Taylor than Marcus? 6 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
$\frac{7}{9}$	>	$\frac{2}{3}$
$\frac{2}{6}$	<	$\frac{1}{2}$

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

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

Pounds	Ounces
2	32
5	80
3	48

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: **24,679**

20,000 + 4,000 + 600 + 70 + 9

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 17 / Teacher Key**

14. Diana went swimming for 4 hours and 36 minutes. Then she swam for 26 more minutes. What is the total number of minutes that Diana swam? 302 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{7}{10} = \underline{.7}$$

$$\frac{58}{100} = \underline{.58}$$

exact answer, points per line 

1	2
2	4

16. Chris bought a lamp for \$15.49. He gave the clerk \$20.00. How much change did he get back? \$ 4.51

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **31, 57, 39, 73**

Write which are prime numbers: 31, 73.

Write which are composite numbers: 57, 39.

exact answer, points per line 

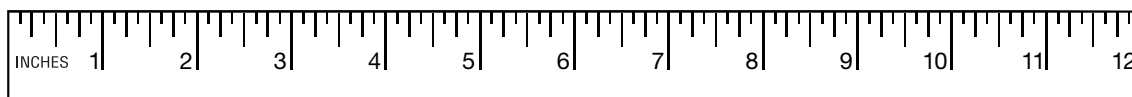
1	1
2	2
3	3
4	4

18. Kelly has 8 pencils.  $\frac{1}{4}$  of her pencils are sharp. How many sharp pencils does she have? 2 sharp pencil(s).

correct digits 1 | 6

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

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



correct digits 

1	3
2	6
3	9

20. Amy is sweeping the floor. The area of the floor is 48 square feet. The length is 8 feet. What is the width of the floor?

6 feet.

correct digits 1 | 4

**Scoring Direction**

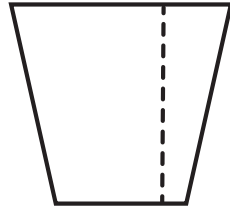
Right to Left  
or

Left to Right

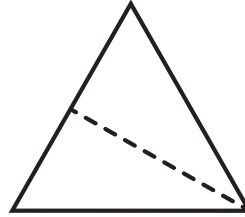
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 18 / Teacher Key

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

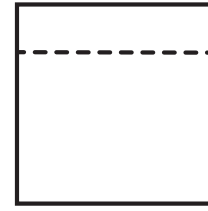
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



no



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
738	>	519
398	<	754
371	>	161

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

3. List three numbers that are multiples of 9:

18 27 36 or equivalent

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

4. Josh picked 43 red pears and 18 green pears. Dan picked 48 pears total. How many more pears did Josh pick than Dan?

13 pears.

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
0.86	>	0.69
0.38	<	0.56
0.48	>	0.11

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

6. The teacher was in class for 3 hours and 30 minutes. How many minutes total was she in class? 210 minutes.

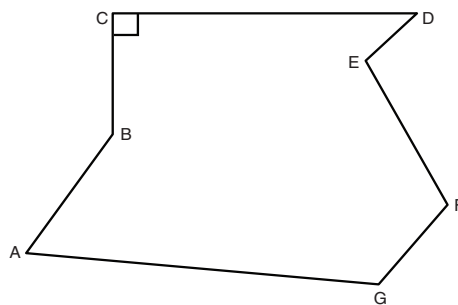
correct digits 1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 18 / Teacher Key**

7. Name one right angle: C or equivalent

Name one obtuse angle: B, E, F, or G or equivalent

Name one acute angle: A or D 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
1516	1,500	1,520	2,000
7235	7,200	7,240	7,000

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

9. Emma is 6 years old. Matthew is 54 years old. How many times older is Matthew than Emma? 9 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
$\frac{2}{8}$	<	$\frac{1}{2}$
$\frac{3}{9}$	<	$\frac{2}{3}$

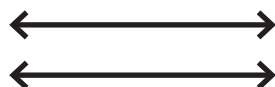
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert kilograms into grams. 1 kilogram = 1000 grams:

Kilograms	Grams
2	2,000
9	9,000
8	8,000

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

12. Draw two lines that are parallel:



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

13. Write the following in expanded form: 71,444

70,000 + 1,000 + 400 + 40 + 4

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 18 / Teacher Key**

14. The cat slept for 9 hours and 50 minutes. Then he slept for 39 more minutes. What is the total number of minutes that the cat slept? 629 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{7}{10} = \underline{.7}$$

$$\frac{13}{100} = \underline{.13}$$

exact answer, 

1	2
2	4

  
points per line

16. Angie bought some fruit for \$23.87. She gave the clerk \$25.00. How much change did she get back?

\$ 1.13

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **53, 49, 70, 71**

Write which are prime numbers: 53, 71.

Write which are composite numbers: 49, 70.

exact answer, 

1	1
2	2
3	3
4	4

  
points per line

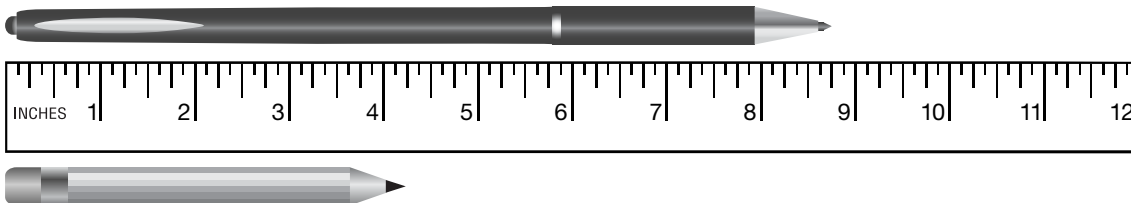
18. James has 4 baseball hats.  $\frac{1}{4}$  of his baseball hats are red. How many red baseball hats does he have?

1 red baseball hat(s).

correct digits 1 | 6

19. The pencil is  $4\frac{1}{4}$  inches long and the pen is  $8\frac{3}{4}$  inches long. Exactly how much longer is the pen than the pencil?

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



correct digits 

1	3
2	6
3	9

20. The goats run around in the field. The area of the field is 42 square meters. The length is 7 meters. What is the width of the field?

6 meters.

correct digits 1 | 4

**Scoring Direction**

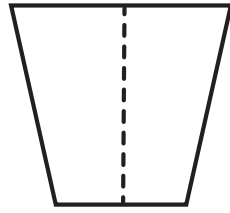
Right to Left  
or

Left to Right

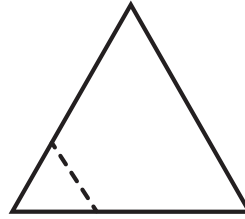
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 19 / Teacher Key

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

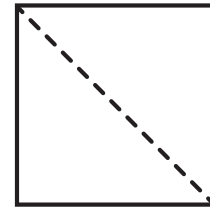
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



yes



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
948	<	952
883	>	143
265	<	408

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

3. List three numbers that are multiples of 7:

14    21    28 or equivalent

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

4. Beth picked 38 plums yesterday and 45 plums today. Rachel picked 25 plums total. How many more plums did Beth pick than Rachel? 58 plums.

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
0.57	<	0.75
0.51	>	0.44
0.24	>	0.11

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

6. Sam worked on his bike for 2 hours and 42 minutes. How many minutes total did Sam work on his bike?

162 minutes.

correct digits 1 | 4  
2 | 9  
3 | 14

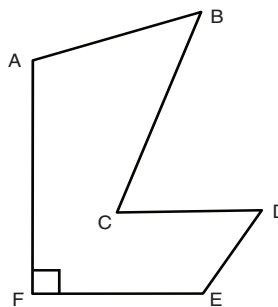


**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 19 / Teacher Key**

7. Name one right angle: F or equivalent

Name one obtuse angle: A or E or equivalent

Name one acute angle: B, C, or D 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
2174	<u>2,200</u>	<u>2,170</u>	<u>2,000</u>
8075	<u>8,100</u>	<u>8,080</u>	<u>8,000</u>

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

9. Chloe is 3 years old. Susie is 18 years old. How many times older is Susie than Chloe? 6 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
$\frac{5}{9}$	<u>&lt;</u>	$\frac{2}{3}$
$\frac{5}{10}$	<u>&gt;</u>	$\frac{1}{5}$

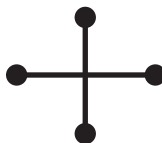
exact answer, 1 | 3  
 points per box 2 | 6

11. Convert kilometers into meters. 1 kilometer = 1000 meters:

Kilometers	Meters
4	<u>4,000</u>
7	<u>7,000</u>
2	<u>2,000</u>

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

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



exact answer, 1 | 1  
 points per segment 2 | 2  
 (line segments and perpendicular) 3 | 2

13. Write the following in expanded form: **16,751**

10,000 + 6,000 + 700 + 50 + 1

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

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 19 / Teacher Key**

14. Mason played guitar for 7 hours and 18 minutes. Then he played for 17 more minutes. What is the total number of minutes that Mason played guitar? 455 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

$$\frac{8}{10} = \underline{.8}$$

$$\frac{14}{100} = \underline{.14}$$

exact answer, 

1	2
2	4

  
points per line

16. Zoe bought a poster for \$14.73. She gave the clerk \$20.00. How much change did she get back?

\$ 5.27

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **32, 89, 53, 25**

Write which are prime numbers: 89, 53.

Write which are composite numbers: 32, 25.

exact answer, 

1	1
2	2
3	3
4	4

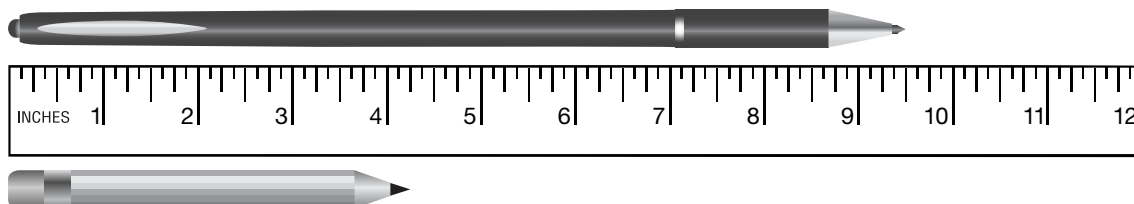
  
points per line

18. The dog has 3 bowls.  $\frac{2}{3}$  of his bowls are for food. How many food bowls does the dog have? 2 food bowl(s).

correct digits 1 | 6

19. The pencil is  $4\frac{1}{4}$  inches long and the pen is  $9\frac{1}{2}$  inches long. Exactly how much longer is the pen than the pencil?

$5\frac{1}{4}$  inches.



correct digits 

1	3
2	6
3	9

20. Janet is planting a bed of flowers. The area of the flower bed is 35 square feet. The width is 5 feet. What is the length of the flower bed? 7 feet.

correct digits 1 | 4

**Scoring Direction**

←  
Right to Left

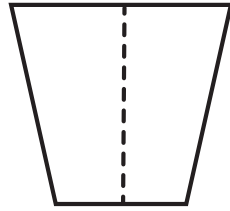
or

→  
Left to Right

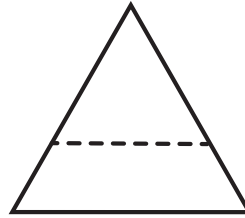
# Acadience® Math / Concepts and Applications Level 4 / Progress Monitoring 20 / Teacher Key

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

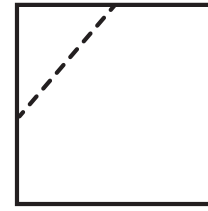
1. Is the dotted line a line of symmetry for each shape? Write "yes" or "no" in the space provided below each shape.



yes



no



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
524	<	538
943	>	271
249	<	340

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

3. List three numbers that are multiples of 8:

16 24 32 or equivalent

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

4. Kate caught 26 fish last week and 24 fish this week. Michael caught 37 fish total. How many more fish did Kate catch than Michael? 13 fish.

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
0.50	<	0.61
0.37	<	0.62
0.46	>	0.27

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

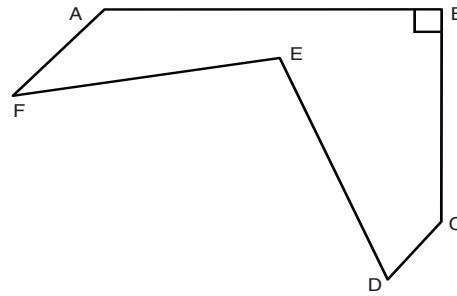
6. Cynthia was in her room for 5 hours and 38 minutes. How many minutes total was she in her room?

338 minutes.

correct digits 1 | 4  
2 | 9  
3 | 14

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 20 / Teacher Key**

7. Name one right angle: B or equivalent  
 Name one obtuse angle: A, C, or E or equivalent  
 Name one acute angle: D 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
3050	3,100	3,050	3,000
7862	7,900	7,860	8,000

exact answer, points per box

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

9. Jamie is 8 years old. Ronald is 40 years old. How many times older is Ronald than Jamie? 5 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
$\frac{9}{10}$	>	$\frac{2}{5}$
$\frac{1}{8}$	<	$\frac{3}{4}$

exact answer, points per box

1	3
2	6

11. Convert minutes into seconds. 1 minute = 60 seconds:

Minutes	Seconds
6	360
3	180
5	300

exact answer, points per box

1	2
2	4
3	6

12. Draw two rays that are parallel:



exact answer, points per segment (rays and parallel)

1	1
2	2

13. Write the following in expanded form: **94,689**

90,000 + 4,000 + 600 + 80 + 9

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

1	1
2	2
3	3
4	4
5	5

**Acadience® Math / Concepts and Applications**  
**Level 4 / Progress Monitoring 20 / Teacher Key**

14. Stella rode her bike for 3 hours and 39 minutes. Then she rode for 29 more minutes. What is the total number of minutes that Stella rode her bike? 248 minutes.

correct digits 

1	5
2	10
3	16

15. Write the fractions as a decimal:

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

$$\frac{60}{100} = \underline{.60}$$

exact answer, 

1	2
2	4

  
points per line

16. Nate bought a vest for \$21.31. He gave the clerk \$25.00. How much change did he get back? \$ 3.69

correct digits 

1	3
2	6
3	9
4	12

17. Prime or composite: **47, 74, 31, 94**

Write which are prime numbers: 47, 31.

Write which are composite numbers: 74, 94.

exact answer, 

1	1
2	2
3	3
4	4

  
points per line

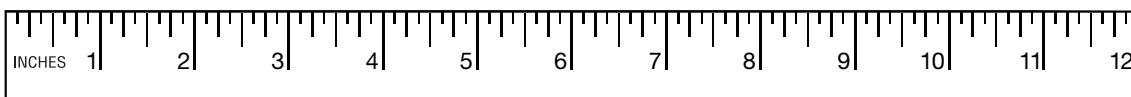
18. Brenda has 6 coats.  $\frac{2}{4}$  of her coats are black. How many black coats does she have? 3 black coat(s).

correct digits 1 | 6

19. The pencil is  $3\frac{1}{4}$  inches long and the pen is  $7\frac{3}{4}$  inches long. Exactly how much longer is the pen than the pencil?

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

or equivalent



correct digits 

1	3
2	6
3	9

20. The kids play ball in the field. The area of the field is 72 square meters. The width is 8 meters. What is the length of the field?

9 meters.

correct digits 1 | 4