

acadience[®]math

Concepts and Applications

Grade 3 | Benchmark Assessment

Teacher Key

Published by Acadience Learning Inc.

Available: www.acadiencelearning.org

Scoring Direction

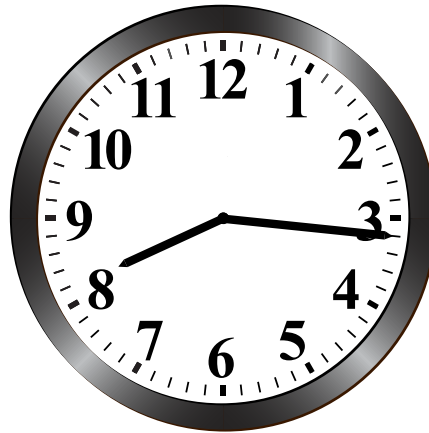
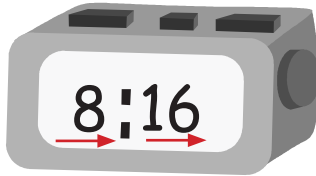
Right to Left
or

Left to Right

Acadience® Math / Concepts and Applications Grade 3 / Benchmark 1 / Teacher Key

Total: _____

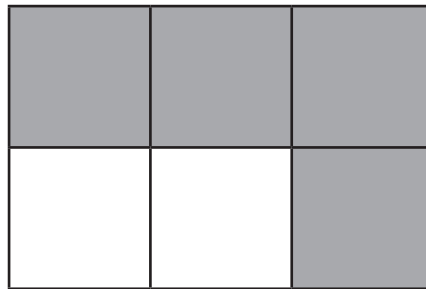
1. Fill in the time on the digital clock:



correct digits 1 | 1
2 | 2
3 | 3

2. Write the fraction for the shaded parts:

$$\frac{4}{6}$$



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

3. Round...

Number	...to the nearest 10	...to the nearest 100
250	250	300
742	740	700
222	220	200
838	840	800

exact answer, points per box 1 | 1
2 | 2
3 | 3
4 | 4
5 | 5
6 | 6
7 | 7
8 | 8

4. A group of people took 3 cars to a football game. Each car held 5 people. How many people were there total?

$$\frac{15}{5} \div 5 = 3$$

correct digits 1 | 2
2 | 4


5. 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
$\frac{3}{4}$	>	$\frac{2}{4}$
$\frac{3}{8}$	<	$\frac{7}{8}$

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

Acadience® Math / Concepts and Applications
Grade 3 / Benchmark 1 / Teacher Key

6. One glass has 5 ounces of milk and the other has 4 ounces of milk. How much milk is there in both glasses?

9 ounces.


correct digits 1 | 3

7. Keith helps his parents with chores. He does 4 chores a day. How many chores does he do in 7 days? 28 chores.




correct digits 1 | 2
 2 | 4

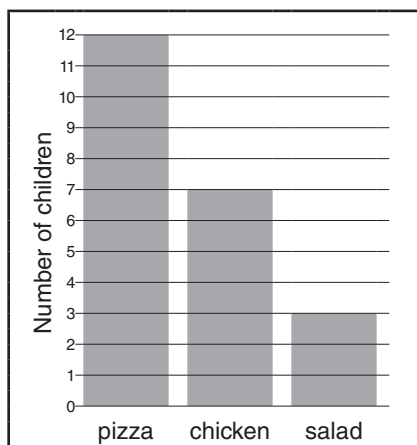
8. Write the fraction for the whole number:

$$5 = \frac{\boxed{5}}{\boxed{1}} \text{ or equivalent} \quad 8 = \frac{\boxed{8}}{\boxed{1}} \text{ or equivalent}$$

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

9. How many more children had pizza for lunch than chicken?

5 more children.




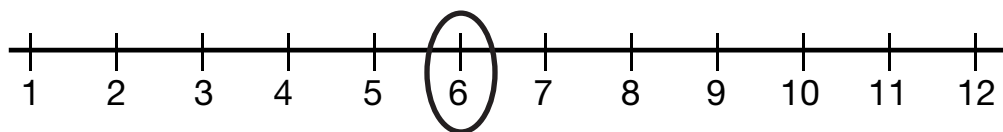
correct digits 1 | 4

10. Rose walks 7 dogs a day. How many days would it take her to walk 14 dogs? 2 days.



correct digits 1 | 4

11. Circle where $\frac{6}{1}$ is on the number line:



exact answer, points per segment (correct number circled) 1 | 1

12. There were 10 grams of jelly beans. Sara's mom said she could only have 7 grams. How many grams of jelly beans will Sara need to put back? 3 grams.





10 Grams

correct digits 1 | 4

Acadience® Math / Concepts and Applications
Grade 3 / Benchmark 1 / Teacher Key

13. Anna rode her bike for 37 minutes before school. She also rode for 17 minutes after school. She then rode after dinner for 18 minutes. How many minutes total did Anna ride her bike? 72 minutes.

correct digits $\begin{array}{r} 1 \\ 2 \end{array} \bigg| \begin{array}{r} 4 \\ 8 \end{array}$

14. What is the area of the rectangle?



6 units²

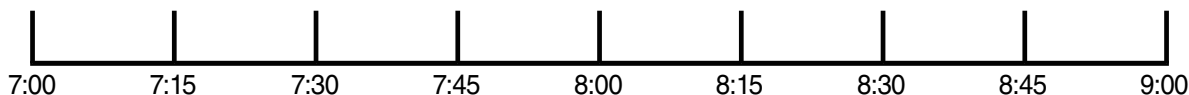
exact answer,
points per line $1 \bigg| 1$

15. There are 4 children. Each child has 3 blue flowers and 5 red flowers. How many flowers is that in total?

$$4 \times (3 + 5) = \underline{32}$$

correct digits $\begin{array}{r} 1 \\ 2 \end{array} \bigg| \begin{array}{r} 3 \\ 7 \end{array}$

16. Miguel went to his friend's house at 7:45 a.m. He stayed at his friends house for 1 hour and 15 minutes. What time did his dad pick him up? 9:00 a.m.



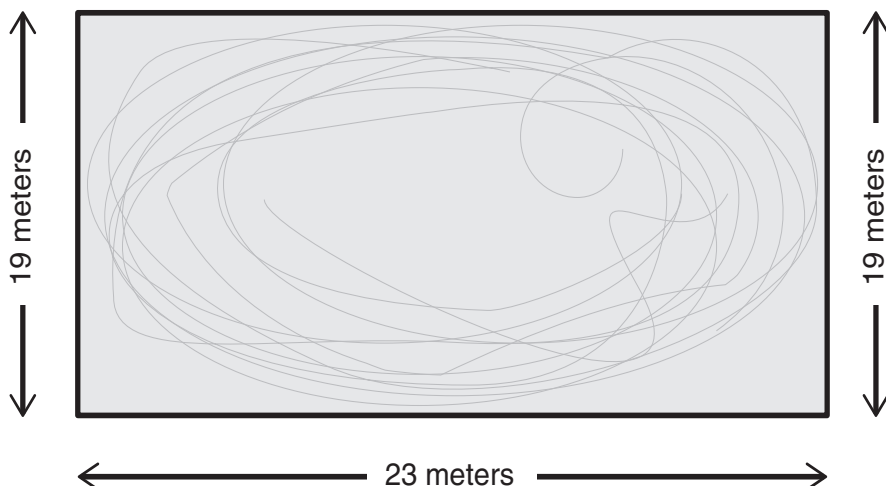
correct
digits
 $\begin{array}{r} 1 \\ 2 \\ 3 \end{array} \bigg| \begin{array}{r} 1 \\ 2 \\ 3 \end{array}$

17. Solve:

$$4 \times 8 \times 2 = \underline{64}$$

correct digits $\begin{array}{r} 1 \\ 2 \end{array} \bigg| \begin{array}{r} 4 \\ 9 \end{array}$

18. Andy skated around the entire ice rink. What is the perimeter of the ice rink? 84 meters.



correct digits $\begin{array}{r} 1 \\ 2 \end{array} \bigg| \begin{array}{r} 5 \\ 10 \end{array}$

Acadience® Math / Concepts and Applications
Grade 3 / Benchmark 1 / Teacher Key

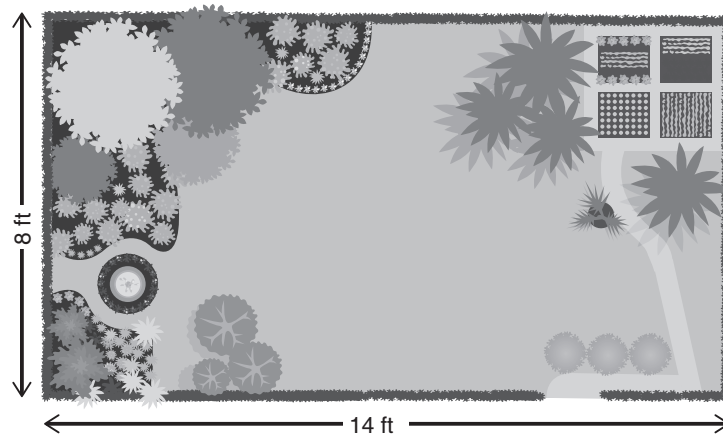
19. A shirt costs 3 times as much as a hat. The hat costs \$11. How much are both the hat and shirt together? \$ 44

correct digits

1	5
2	11

20. Jordan planted a garden. What is the area of the garden that she planted?

112 ft².



correct digits

1	2
2	4
3	6

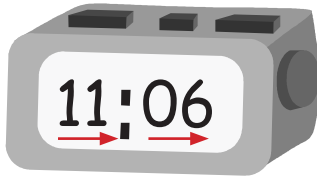
Scoring Direction

 Right to Left
 or
 Left to Right

Acadience® Math / Concepts and Applications Grade 3 / Benchmark 2 / Teacher Key

Total: _____

1. Fill in the time on the digital clock:

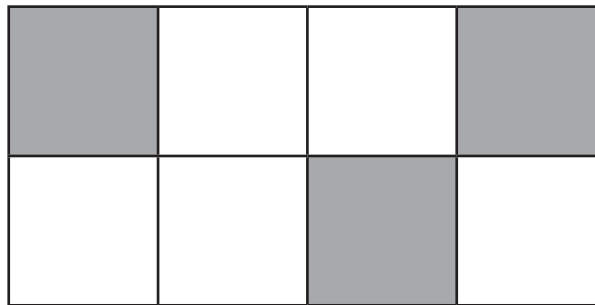


correct digits

1	1
2	2
3	3
4	4

2. Write the fraction for the shaded parts:

$$\frac{\boxed{3}}{\boxed{8}}$$



exact answer,

1	1
2	2

 points per box

3. Round...

Number	...to the nearest 10	...to the nearest 100
374	370	400
935	940	900
756	760	800
832	830	800

exact answer,

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

 points per box

4. A bag of carrots is split among 3 people. Each person got 7 carrots at lunch. How many carrots were in the bag at the start?

$$\frac{21}{\leftarrow} \div 3 = 7$$

correct digits

1	2
2	4

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

exact answer,

1	2
2	4

 points per box

Acadience® Math / Concepts and Applications
Grade 3 / Benchmark 2 / Teacher Key

6. One glass had 8 ounces of water and the other had 6 ounces of water. How much water is in both glasses?

14 ounces.


correct digits 1 | 2
 2 | 4

7. Danny gets \$6 each day he feeds the neighbors' pets. They are gone on vacation for 8 days. How much money will Danny earn?

\$ 48



correct digits 1 | 2
 2 | 4

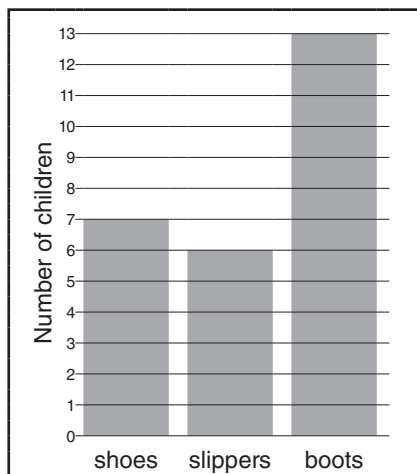
8. Write the fraction for the whole number:

4 = $\frac{\boxed{4}}{\boxed{1}}$ or equivalent 8 = $\frac{\boxed{8}}{\boxed{1}}$ or equivalent


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

9. How many fewer children wore shoes than boots?

6 fewer children.


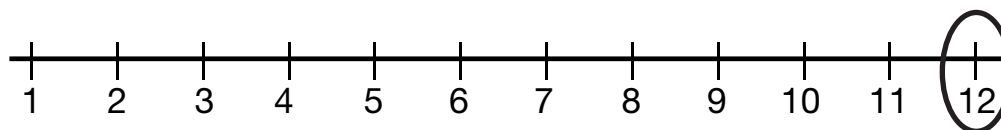


correct digits 1 | 4

10. Pam has 21 pieces of candy. She wants to give the same amount of candy to her 7 friends. How many pieces of candy will each friend get? 3 pieces of candy.


correct digits 1 | 4

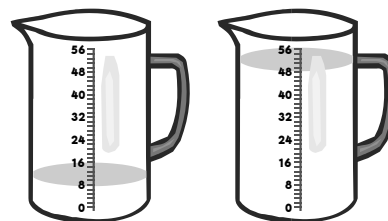
11. Circle where $\frac{12}{1}$ is on the number line:



exact answer, points per segment (correct number circled) 1 | 1

12. One glass holds 8 ounces of milk and the other glass holds 48 ounces. How much milk is there in total?

56 ounces.

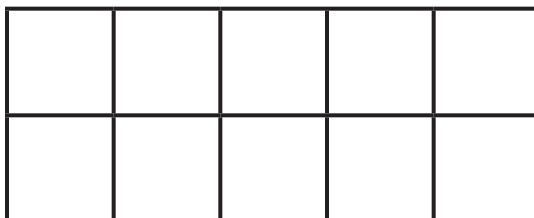
correct digits 1 | 2
 2 | 5

Acadience® Math / Concepts and Applications
Grade 3 / Benchmark 2 / Teacher Key

13. Jorge's dad drove him 26 miles to school. After school his dad drove him 12 miles to his grandmother's house. Then they drove 14 miles to get home. How many total miles does he travel? 52 miles.

correct digits $\begin{array}{r} 1 \\ 2 \end{array} \bigg| \begin{array}{r} 4 \\ 8 \end{array}$

14. What is the area of the rectangle?



10 units²

exact answer,
points per line $1 \bigg| 1$

15. There are 4 children. Each child has 3 striped erasers and 7 solid erasers. How many erasers is that in total?

$$4 \times (3 + 7) = \underline{40}$$

correct digits $\begin{array}{r} 1 \\ 2 \end{array} \bigg| \begin{array}{r} 4 \\ 9 \end{array}$

16. Oscar played soccer after school. His mom dropped him off at 3:45 p.m. and he played for 45 minutes. What time did his mom pick him up? 4:30 p.m.



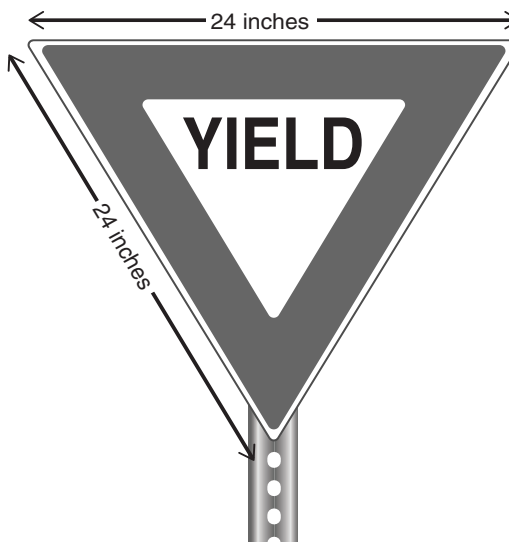
correct
digits
 $\begin{array}{r} 1 \\ 2 \\ 3 \end{array} \bigg| \begin{array}{r} 1 \\ 2 \\ 3 \end{array}$

17. Solve:

$$5 \times 3 \times 2 = \underline{30}$$

correct digits $\begin{array}{r} 1 \\ 2 \end{array} \bigg| \begin{array}{r} 4 \\ 9 \end{array}$

18. Juan passed a yield sign on his way to school. What is the perimeter of the sign? 72 inches.



correct digits $\begin{array}{r} 1 \\ 2 \end{array} \bigg| \begin{array}{r} 4 \\ 8 \end{array}$

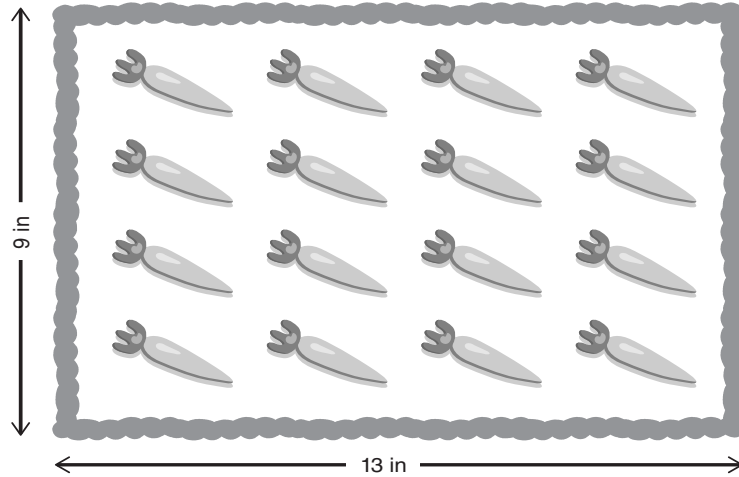
Acadience® Math / Concepts and Applications
Grade 3 / Benchmark 2 / Teacher Key

19. A coat costs 2 times as much as a hat. The hat costs \$12. How much are both the hat and coat together? \$ 36

correct digits

1	5
2	11

20. Paul made a carrot cake. What is the area of the cake that he made? 117 in².



correct digits

1	2
2	4
3	6

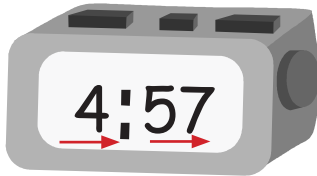
Scoring Direction

 Right to Left
 or
 Left to Right

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

Total: _____

1. Fill in the time on the digital clock:

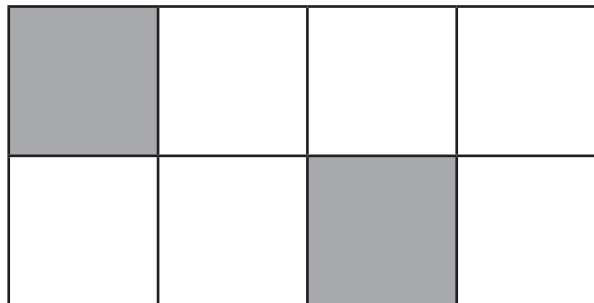


correct digits

1	1
2	2
3	3

2. Write the fraction for the shaded parts:

$$\frac{2}{8}$$



exact answer,

1	1
2	2

 points per box

3. Round...

Number	...to the nearest 10	...to the nearest 100
503	500	500
257	260	300
772	770	800
625	630	600

exact answer,

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

 points per box

4. A box of pencils is split among 6 people. Each person got 2 pencils. How many pencils were in the box at the start?

$$\frac{12}{6} \div 6 = 2$$

correct digits

1	2
2	4

5. 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
$\frac{4}{11}$	<	$\frac{7}{11}$
$\frac{3}{6}$	>	$\frac{2}{6}$

exact answer,

1	2
2	4

 points per box

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

6. One button weighs 3 grams and the other weighs 5 grams. How much did both buttons weigh in grams? 8 grams.

correct digits 1 | 3

7. Tom helps to pass out the drinks during snack time. He passes out 7 drinks each day. How many drinks does he pass out after 4 days? 28 drinks.

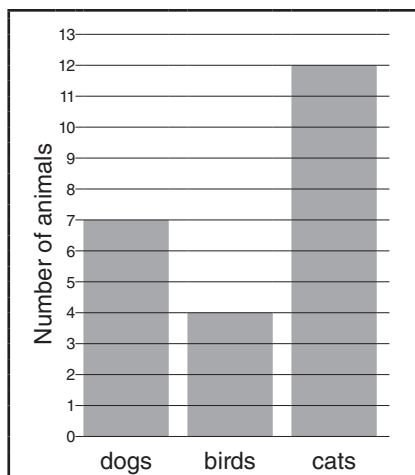
correct digits 1 | 2
2 | 4

8. Write the fraction for the whole number:

$$6 = \frac{\boxed{6}}{\boxed{1}} \text{ or equivalent} \quad 3 = \frac{\boxed{3}}{\boxed{1}} \text{ or equivalent}$$

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

9. How many more cats are there than dogs? 5 more cats.

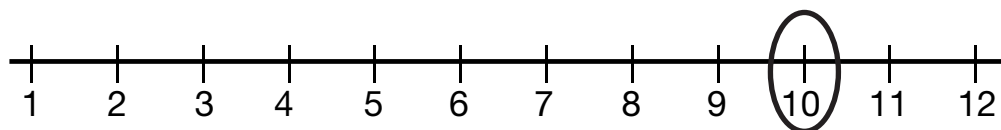


correct digits 1 | 4

10. Anna can put together 7 puzzle pieces in a day. Her puzzle has 49 pieces. How many days will it take her to finish the puzzle? 7 days.

correct digits 1 | 4

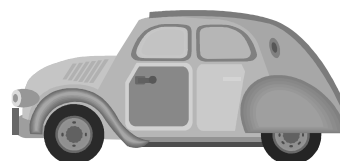
11. Circle where $\frac{10}{1}$ is on the number line:



exact answer, 1 | 1
points per segment (correct number circled) 2 | 2

12. One toy car was 59 ounces and the other was 9 ounces. How much do the two cars weigh together?

68 ounces.



59 ounces



9 ounces

correct digits 1 | 2
2 | 5

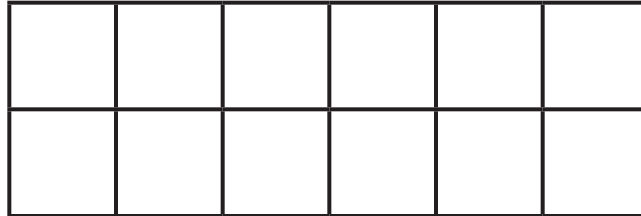
Acadience® Math / Concepts and Applications
Grade 3 / Benchmark 3 / Teacher Key

13. Alex wants to buy 41 stickers. He buys 12 star and 23 animal stickers. How many stickers does he still have to buy?

6 stickers.

correct digits 1 | 11

14. What is the area of the rectangle?



12 units²

exact answer,
points per line 1 | 1

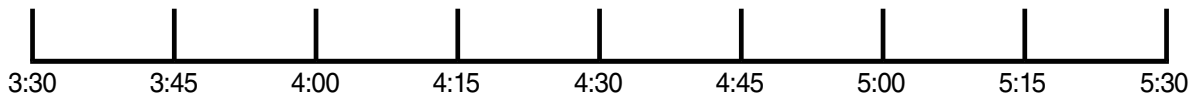
15. There are 7 friends. Each friend has 8 carrot sticks and 4 celery sticks. How many carrot and celery sticks is that in total?

$$7 \times (8 + 4) = \underline{84}$$

correct digits 1 | 4
2 | 9

16. Emily has a newspaper route. She starts at 3:45 p.m. on Saturday. It takes her 1 hour and 30 minutes to deliver all the papers.

What time does she finish? 5:15 p.m.



correct
digits
1 | 1
2 | 2
3 | 3

17. Solve:

$$3 \times 8 \times 3 = \underline{72}$$

correct digits 1 | 4
2 | 9

18. There is a sign in front of the library.

What is the perimeter of the sign?

76 inches.



correct digits 1 | 5
2 | 10

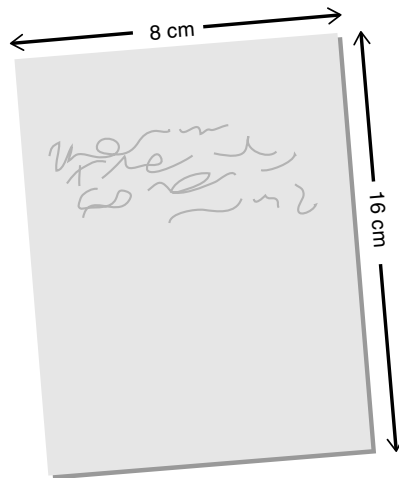
Acadience® Math / Concepts and Applications
Grade 3 / Benchmark 3 / Teacher Key

19. A book costs 8 times as much as a comic book. The comic book costs \$7. How much are they together? \$ 63

correct digits

1		4
2		9

20. Hope found a note from her grandmother in her lunchbox.
 What is the area of the note?
128 cm².



correct digits

1		2
2		4
3		6