

# acadience<sup>®</sup>math

## Computation Concepts and Applications

Grade 6 | Benchmark 2

### Student Worksheets

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## Grade 6 / Benchmark 2

Name: \_\_\_\_\_ Student ID: \_\_\_\_\_

Teacher: \_\_\_\_\_ School: \_\_\_\_\_ School Year: \_\_\_\_\_

**Acadience® Math / Computation Grade 6  
Benchmark 2 / Form A**

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

1. $\begin{array}{r} 83.6 \\ + 4.1 \\ \hline \end{array}$	2. $\begin{array}{r} 6.75 \\ - 5.73 \\ \hline \end{array}$	3. $\begin{array}{r} 283 \\ \times 57 \\ \hline \end{array}$	4. $73 \overline{)5110}$
5. $9\frac{2}{3} - 5\frac{5}{9} =$	6. $\begin{array}{r} 58.74 \\ + 19.66 \\ \hline \end{array}$	7. $\begin{array}{r} 71.42 \\ - 2.83 \\ \hline \end{array}$	8. $\begin{array}{r} 13.2 \\ \times 2.1 \\ \hline \end{array}$
9. $3.9 \overline{)585}$	10. $\begin{array}{r} 6.56 \\ + 1.79 \\ \hline \end{array}$	11. $\begin{array}{r} 4.6 \\ \times 7 \\ \hline \end{array}$	12. $47 \overline{)7332}$
13. $\begin{array}{r} 5.46 \\ \times 2.5 \\ \hline \end{array}$	14. $2.1 \overline{)7.56}$	15. $\begin{array}{r} 9.43 \\ - 3.48 \\ \hline \end{array}$	16. $2.6 \overline{)26.78}$

**Acadience® Math / Computation Grade 6  
Benchmark 2 / Form B**

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

1. $\begin{array}{r} 73.5 \\ + 1.3 \\ \hline \end{array}$	2. $\begin{array}{r} 7.83 \\ - 2.82 \\ \hline \end{array}$	3. $\begin{array}{r} 748 \\ \times 56 \\ \hline \end{array}$	4. $26 \overline{)2860}$
5. $6\frac{2}{3} - 3\frac{1}{2} =$	6. $\begin{array}{r} 39.99 \\ + 28.59 \\ \hline \end{array}$	7. $\begin{array}{r} 11.37 \\ - 2.69 \\ \hline \end{array}$	8. $\begin{array}{r} 12.3 \\ \times 2.1 \\ \hline \end{array}$
9. $4.5 \overline{)945}$	10. $\begin{array}{r} 5.59 \\ + 3.47 \\ \hline \end{array}$	11. $\begin{array}{r} 9.8 \\ \times 3 \\ \hline \end{array}$	12. $26 \overline{)1014}$
13. $\begin{array}{r} 4.83 \\ \times 9.7 \\ \hline \end{array}$	14. $6.3 \overline{)4.41}$	15. $\begin{array}{r} 3.53 \\ - 1.78 \\ \hline \end{array}$	16. $1.5 \overline{)15.75}$

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**Grade 6 / Benchmark 2**

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

1. At the zoo there were 17 lions and 24 monkeys. What is the ratio of lions to monkeys? \_\_\_\_\_

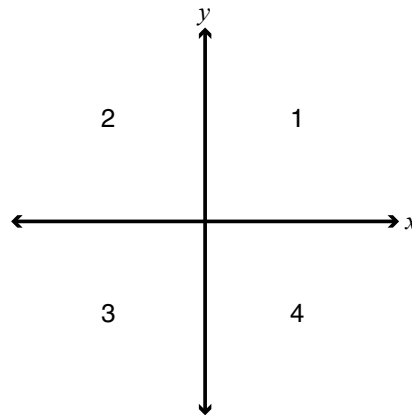
2. Erica has taken several math quizzes since the start of school. The following are her scores: **6, 7, 9, 7, 1**.

A. What is the mean of Erica's quiz scores? \_\_\_\_\_

B. What is the median of Erica's quiz scores? \_\_\_\_\_

3. Fill in the missing quadrants to complete the table:

Point	Quadrant
(3, 8)	
(-7, -6)	
(3, -7)	4
(-9, 8)	



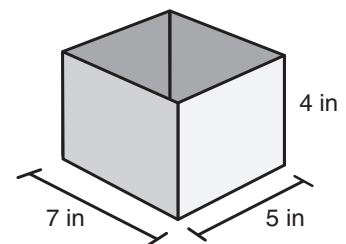
4. A. Write an expression for **3 subtracted from  $x$** : \_\_\_\_\_

B. Write an expression for **7 added to  $x$** : \_\_\_\_\_

5. Hannah has a box and a bag of blocks. A The blocks are  $\frac{1}{2}$  inch by  $\frac{1}{2}$  inch by  $\frac{1}{2}$  inch.

A. What is the volume of the box? \_\_\_\_\_ in<sup>3</sup>.

B. How many blocks will fit inside Hannah's box?  
 \_\_\_\_\_ blocks.



6. It takes Mia 2 weeks to make 4 scarves. At this rate, how long will it take her to make 6 scarves? \_\_\_\_\_ week(s).

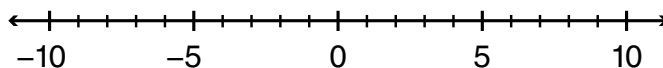
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**Grade 6 / Benchmark 2**

7. Label the following numbers on the number line below:

a.  $-3$

b.  $-7$

c.  $-(-9)$



8. Write "True" if the substitution makes the inequality true or write "False" if the substitution makes the inequality false:

Inequality	$x =$	Write True or False
$44x - 5 < 100$	3	
$26x + 7 < 100$	4	

9. Complete the ratio table:

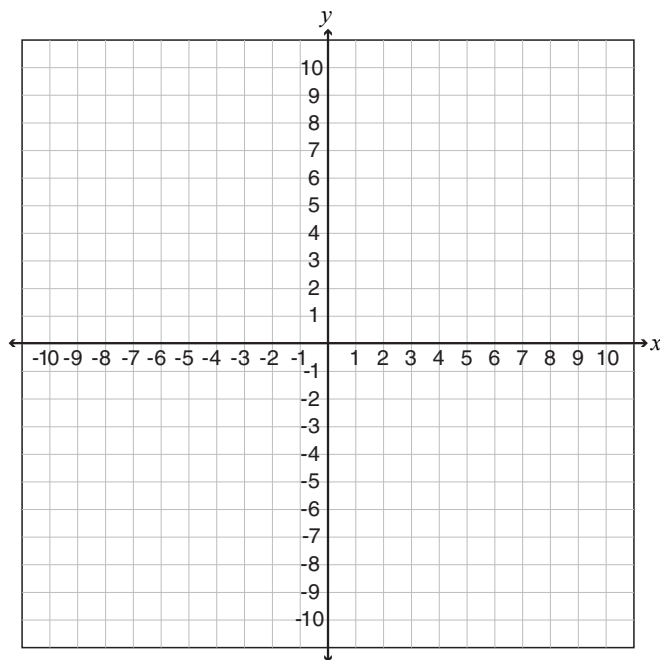
3	9
9	27
12	
	45

10. Dean is plotting the points of ships on a graph.

The ships are located at  $(4, 7)$ ,  $(4, -3)$ ,  $(-5, -3)$ .

A. If the vertices form a rectangle, find the location of the last vertex: ( \_\_\_\_\_, \_\_\_\_\_ )

B. Plot all the vertices on the graph:



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## Grade 6 / Benchmark 2

11. Martin is paid for delivering newspapers on the weekend. He earns \$25 per street.

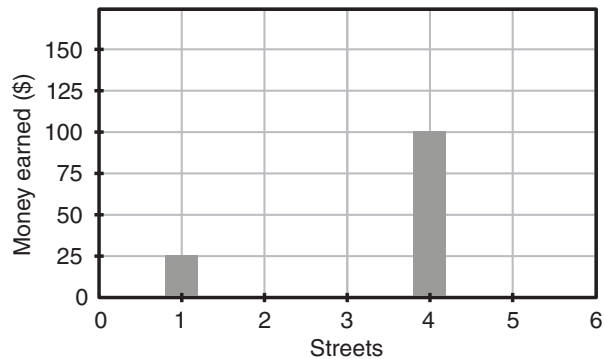
A. Fill in the table below to determine how much money Martin earned.

Streets	Money Earned
1	\$25
2	
3	
4	\$100
5	

B. Write an equation that illustrates the relationship between the number of streets ( $S$ ) and the money earned ( $m$ ):

\_\_\_\_\_

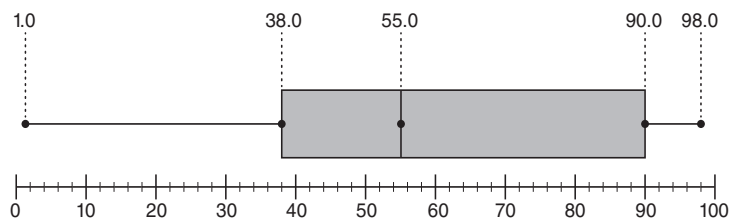
C. Make a bar graph for the amount of money earned:



12. You went to the bookstore and bought 5 books for \$20. If all the books cost the same, what is the cost of each book?

\$\_\_\_\_\_ per book.

13. Below are the number of minutes students in a class spent on homework:



What is the range of the minutes spent on homework? \_\_\_\_\_

What is the median number of minutes spent on homework? \_\_\_\_\_

What is the maximum number of minutes spent on homework? \_\_\_\_\_

14. Diver A dove to a sea level depth of  $-20$  feet. Diver B dove to  $-55$  feet.

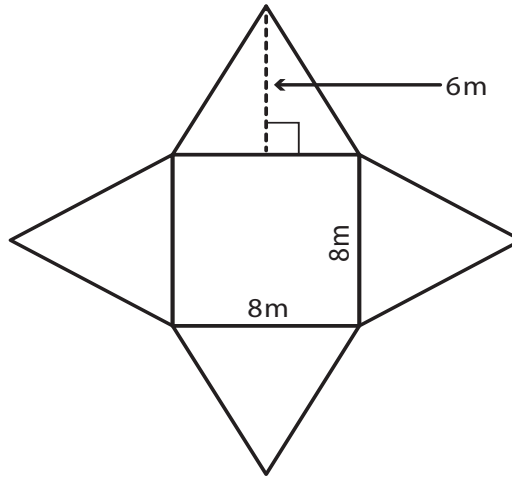
Which diver dove deeper? \_\_\_\_\_

Diver A was how many feet under the water? \_\_\_\_\_ feet

15.  $3^3 =$  \_\_\_\_\_

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**Grade 6 / Benchmark 2**

16. Tanya wanted to figure out the surface area of a pyramid. What is the surface area of the pyramid?  
\_\_\_\_\_  $\text{m}^2$ .



17. Joe can run 6 miles in 54 minutes. If he runs at a constant speed, how long will it take him to run 8 miles?  
\_\_\_\_\_ minutes.

18. What is the greatest common factor of 30 and 24? \_\_\_\_\_

19. Beth scores 8 more than 7 times the soccer goals that Jack scored.

Let  $J$  = the number of goals that Jack scored.

Write an equation using  $x$  that describes how many goals Beth scored. \_\_\_\_\_

20. At Sam's house it was  $6^{\circ}\text{F}$ . At Mary's house it was  $-8^{\circ}\text{F}$ . Write an inequality to show the relationship between these temperatures:

\_\_\_\_\_