

acadience[®]math

Computation Concepts and Applications

Grade 6 | Benchmark 3

Student Worksheets

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Grade 6 / Benchmark 3

Name: _____ Student ID: _____

Teacher: _____ School: _____ School Year: _____

Acadience® Math / Computation Grade 6
Benchmark 3 / Form A

Total: _____

<p>1.</p> $\begin{array}{r} 32.7 \\ + 17.1 \\ \hline \end{array}$	<p>2.</p> $\begin{array}{r} 5.68 \\ - 3.46 \\ \hline \end{array}$	<p>3.</p> $\begin{array}{r} 837 \\ \times 25 \\ \hline \end{array}$	<p>4.</p> $41 \overline{)1230}$
<p>5.</p> $4 \frac{6}{10} + 5 \frac{1}{5} =$	<p>6.</p> $\begin{array}{r} 38.57 \\ + 24.58 \\ \hline \end{array}$	<p>7.</p> $\begin{array}{r} 63.41 \\ - 9.93 \\ \hline \end{array}$	<p>8.</p> $\begin{array}{r} 32.4 \\ \times 1.2 \\ \hline \end{array}$
<p>9.</p> $2.7 \overline{)837}$	<p>10.</p> $\begin{array}{r} 6.78 \\ + 1.85 \\ \hline \end{array}$	<p>11.</p> $\begin{array}{r} 2.6 \\ \times 6 \\ \hline \end{array}$	<p>12.</p> $21 \overline{)2016}$
<p>13.</p> $\begin{array}{r} 6.95 \\ \times 7.3 \\ \hline \end{array}$	<p>14.</p> $4.7 \overline{)2.82}$	<p>15.</p> $\begin{array}{r} 5.13 \\ - 2.79 \\ \hline \end{array}$	<p>16.</p> $3.1 \overline{)31.93}$

**Acadience® Math / Computation Grade 6
Benchmark 3 / Form B**

Total: _____

1. $\begin{array}{r} 73.5 \\ + 13.4 \\ \hline \end{array}$	2. $\begin{array}{r} 6.63 \\ - 3.51 \\ \hline \end{array}$	3. $\begin{array}{r} 632 \\ \times 97 \\ \hline \end{array}$	4. $36 \overline{)3960}$
5. $8\frac{5}{6} - 5\frac{4}{12} =$	6. $\begin{array}{r} 17.64 \\ + 12.86 \\ \hline \end{array}$	7. $\begin{array}{r} 81.36 \\ - 8.79 \\ \hline \end{array}$	8. $\begin{array}{r} 21.3 \\ \times 2.3 \\ \hline \end{array}$
9. $1.4 \overline{)448}$	10. $\begin{array}{r} 3.56 \\ + 2.54 \\ \hline \end{array}$	11. $\begin{array}{r} 3.2 \\ \times 9 \\ \hline \end{array}$	12. $39 \overline{)4446}$
13. $\begin{array}{r} 2.42 \\ \times 5.7 \\ \hline \end{array}$	14. $2.3 \overline{)2.76}$	15. $\begin{array}{r} 8.15 \\ - 2.67 \\ \hline \end{array}$	16. $1.9 \overline{)76.38}$

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Total: _____

1. There were 16 giraffes and 18 hippos. What is the ratio of giraffes to hippos? _____

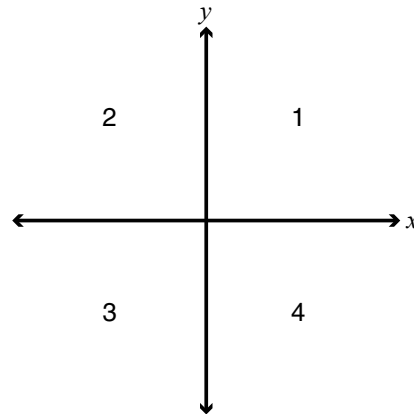
2. Cara helps her neighbors with chores every week. The following are the number of neighbors she has helped each week:
9, 5, 1, 8, 7.

A. What is the mean number of neighbors that Cara helped? _____

B. What is the median number of neighbors that Cara helped? _____

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

Point	Quadrant
$(-4, -5)$	
$(-7, 9)$	
$(8, -7)$	4
$(1, 1)$	



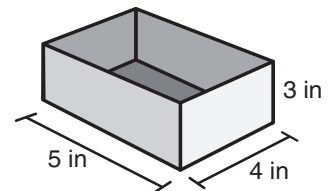
4. A. Write an expression for **3 subtracted from x** : _____

B. Write an expression for **9 added to x** : _____

5. Ethan 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? _____ in³.

B. How many blocks will fit inside Ethan's box?
 _____ blocks.

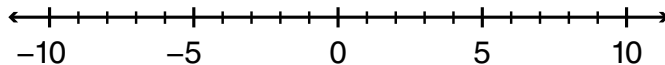


6. Josh can write 4 short stories in 2 weeks. At this rate, how long will it take him to write 8 short stories? _____ week(s).

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

- a. -6
- 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
$21x - 9 < 100$	6	
$23x + 6 < 100$	2	

9. Complete the ratio table:

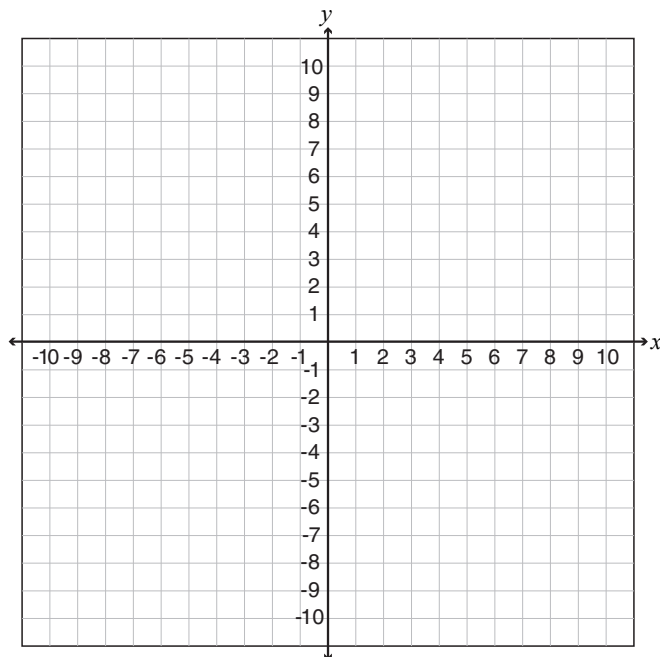
4	9
12	27
16	
	45

10. Tony is plotting the location of trees on a graph.

The trees are located at $(5, 8)$, $(5, -2)$, and $(-3, -2)$.

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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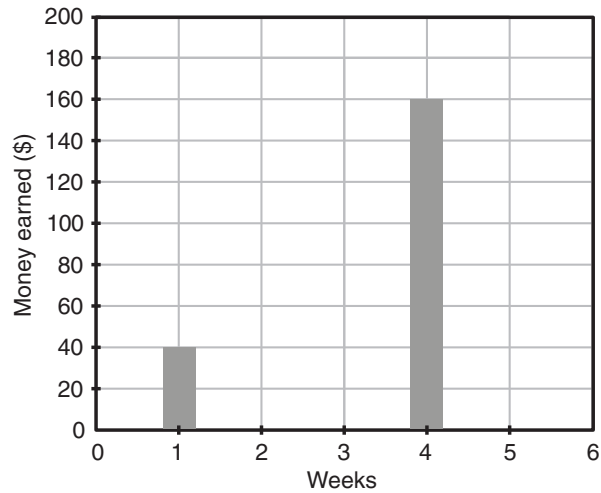
11. Nick earns \$40 per week at his part time job.

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

Week	Money Earned
1	\$40
2	
3	
4	\$160
5	

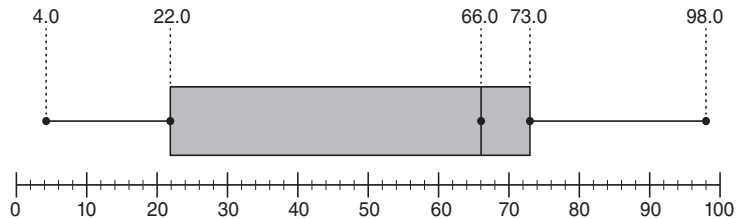
B. Write an equation that illustrates the relationship between the number of weeks (w) and the money earned (m): _____

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



12. You bought 6 shirts for \$48. If all the shirts cost the same, what is the cost of each shirt?
\$_____ per shirt.

13. Below are the number of games students in a class played over the summer:



What is the range of games played over the summer? _____

What is the median number of games played over the summer? _____

What is the maximum number of games played over the summer? _____

14. Diver A dove to a sea level depth of -24 feet. Diver B dove to -10 feet.

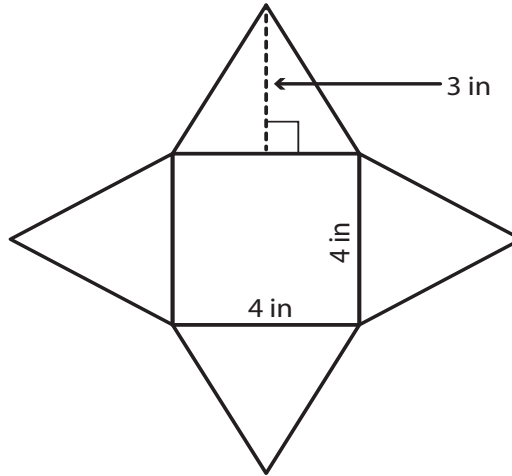
Which diver dove deeper? _____

Diver A was how many feet under water? _____ feet

15. $4^2 =$ _____

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16. Steve wanted to figure out the surface area of a rock shaped like a pyramid. What is the surface area of the rock? _____ in^2 .



17. Joe runs 2 miles in 12 minutes. If he runs at a constant speed, how long will it take him to run 9 miles?
_____ minutes.

18. What is the greatest common factor of 44 and 18? _____

19. Mike read 8 more than 7 times the books that John read.

Let J = the number of books that John read.

Write an equation using x that describes how many books Mike read. _____

20. Dan's house is 8 feet below sea level. Mary's house is 4 feet above sea level. Write an inequality to show the relationship between these houses:
