

**Math 7 Mastery Test #1 Review #2****Short Answer**

1. Utako earns money by caring for turtles while people are on vacation. Utako earns \$20 per week per pet. The table shows the number of turtles cared for per week during July. Simplify the expression  $(7 + 2 \times 3) \times 20$  to find out how much Utako earned for the month of July.

<b>Week</b>	<b>Pets</b>
Week 1	7
Week 2	2
Week 3	2
Week 4	2

2. Use the Distributive Property to find  $7(79)$ .

3. Evaluate  $n - 5$  for  $n = 27$ .

4. Evaluate  $9n + 3$  for  $n = 2$ .

5. Evaluate  $\frac{60}{x} + 6y$  for  $x = 10$  and  $y = 4$ .

Name: \_\_\_\_\_

ID: A

6. Simplify the expression  $34 - 12 \div 6 \times 2 + 7$ .
  
  
  
  
  
  
  
  
  
  
7. Identify like terms in the list:  $4.4q; 4a^3; 2q; 2t; z^3; a; 3a^3; \frac{2}{11}r; \frac{q}{4}; 9r$ .
  
  
  
  
  
  
  
  
  
  
8. It takes 50 days to create a custom motorcycle. Write an algebraic expression to describe the number of days it takes to create  $n$  custom motorcycles. How many days will it take to create 10 custom motorcycles?
  
  
  
  
  
  
  
  
  
  
9. A fence has a total of 850 planks. Danjiro paints  $m$  planks each day. Write an algebraic expression for how many days it will take Danjiro to finish painting the fence.
  
  
  
  
  
  
  
  
  
  
10. Write the phrase as an algebraic expression.  
add 16 to a number

**Math 7 Mastery Test #1 Review #2  
Answer Section****SHORT ANSWER**

1. \$260
2. 553
3. 22
4. 21
5. 30
6. 37
7.  $4.4q$ ,  $\frac{q}{4}$ , and  $2q$ ;  $4a^3$  and  $3a^3$ ;  $\frac{2}{11}r$  and  $9r$
8.  $50n$ ; 500 days
9.  $\frac{850}{m}$
10.  $t + 16$