3.1–3.2 Quiz

Check It Out
Progress Check
BigIdeasMath.com

Identify the terms, coefficients, and constants of the expression. *(Section 3.1)*

1. $6q + 1$

2. $3r^2 + 4r + 8$

Write the expression using exponents. *(Section 3.1)*

3. $s \cdot s \cdot s \cdot s$

4. $2 \cdot t \cdot t \cdot t \cdot t \cdot t$

Evaluate the expression when $a = 8$ and $b = 2$. *(Section 3.1)*

5. $a + 5$

6. ab

7. $a^2 - 6$

Copy and complete the table. *(Section 3.1)*

8.

x	$x + 6$
1	
2	
3	

9.

x	$3x - 5$
3	
6	
9	

Write the phrase as an expression. *(Section 3.2)*

10. the sum of 28 and 35

11. a number x divided by 2

12. the product of a number m and 23

13. 10 less than a number a

14. COUPON The expression $p - 15$ is the amount you pay after using the coupon on a purchase of p dollars. How much do you pay for a purchase of \$83? *(Section 3.1)*

15. AMUSEMENT PARK The expression $15a + 12c$ is the cost (in dollars) of admission at an amusement park for a adults and c children. Find the total cost for 5 adults and 10 children. *(Section 3.1)*

16. MOVING TRUCK To rent a moving truck for the day, it costs \$33 plus \$1 for each mile driven. *(Section 3.2)*

a. Write an expression for the cost to rent the truck.

b. You drive the truck 300 miles. How much do you pay?

Answer Key

1. Terms: 6q, 1; Coefficients: 6; Constants:1
2. Terms: $3r^2$, 4r, 8; Coefficients: 3,4 ; Constants:8
3. s^4
4. $2t^5$
5. 13
6. 16
7. 62
8.

x	x+6
1	***7***
2	***8***
3	***9***

9.

x	3x-5
3	***4***
6	***13***
9	***22***

10. 28 +35
11. x÷2
12. m* 23
13. a-10
14. 83-15= ***$68***
15. ***15(5)+12(10)=75+120= $195***

16a***. 33+1m***

16b***. 33+1(300)= $333***