

TEST NAME: **Expressions/Equations (EE.9)**
TEST ID: **181115**
GRADE: **06**
SUBJECT: **Mathematics**
TEST CATEGORY: **School Assessment**

Student: _____

Class: _____

Date: _____

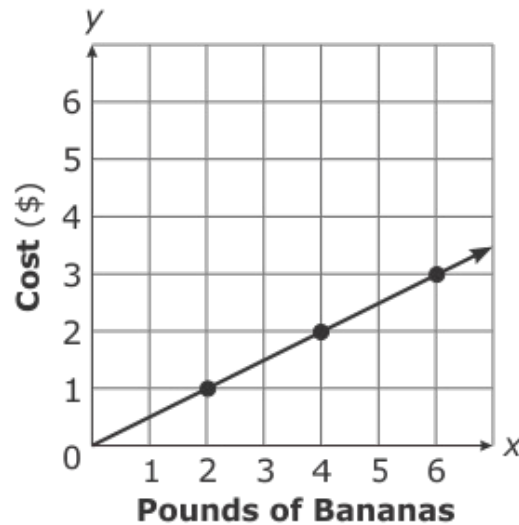
1. A recycling center buys aluminum cans. The prices the recycling center pays per pound are listed in the table below.

Pounds of Aluminum Cans (x)	Amount Recycling Center Pays (y)
1	\$0.60
2	\$1.20
3	\$1.80
4	\$2.40

Which equation calculates the amount the recycling center pays for x pounds of aluminum cans?

- A. $y = 0.60x$
- B. $y = x + 0.60$
- C. $y = x + 1.20$
- D. $y = 1.20x$

2. The graph below shows the cost of bananas, y , based on their weight, x , in pounds.



Which equation would calculate the cost of x pounds of bananas?

- A. $y = 0.50x$
 - B. $y = x + 1$
 - C. $y = x + 2$
 - D. $y = 2x$
3. The table below shows the cost of shrimp, S , based on their weight, w , in pounds.

Weight of Shrimp (w)	Cost (S)
2	\$13.98
4	\$27.96
5	\$34.95
7	\$48.93

Which equation will calculate the cost of w pounds of shrimp?

- A. $S = w + 6.99$
- B. $S = w + 13.98$
- C. $S = 6.99w$
- D. $S = 13.98w$

4. Alexis saves her money each week. Her savings are shown in the table below.

Week (x)	Amount Saved (y)
1	\$3
2	\$6
3	\$9
4	\$12

Which equation calculates the amount of money Alexis has saved after x weeks?

- A. $y = \frac{1}{3}x$
- B. $y = x + 3$
- C. $y = 3x$
- D. $y = 3 - x$
5. The table below shows the cost of renting movies, y , based on the number of movies rented, x .

Number of Movies Rented (x)	Cost (y)
2	\$5.50
3	\$8.25
4	\$11.00

Which equation calculates the cost to rent x number of movies?

- A. $y = 2.75x$
- B. $y = 5.50x$
- C. $y = x + 2.75$
- D. $y = x + 5.50$

6. The table below shows the cost of copying papers, y , based on the number of copies made, x .

Number of Copies made (x)	Copying Cost (y)
15	\$1.80
20	\$2.40
25	\$3.00

Which equation will calculate the cost to copy x number of papers?

- A. $y = 0.05x$
- B. $y = 0.08x$
- C. $y = 0.12x$
- D. $y = 0.60x$
7. The table below lists coordinates on a line in a coordinate plane.

x	10	12	14	16
y	5	6	7	8

Which equation represents this line?

- A. $y = \frac{1}{5}x$
- B. $y = \frac{1}{2}x$
- C. $y = 2x$
- D. $y = 5x$

8. The table below shows the total number of miles traveled, m , based on the number of hours traveled, h .

Hours (h)	Total Miles (m)
1	55
2	110
3	165

Which equation will calculate the total miles traveled after h hours?

- A. $m = h + 55$
- B. $m = 55h$
- C. $h = m + 55$
- D. $h = 55m$

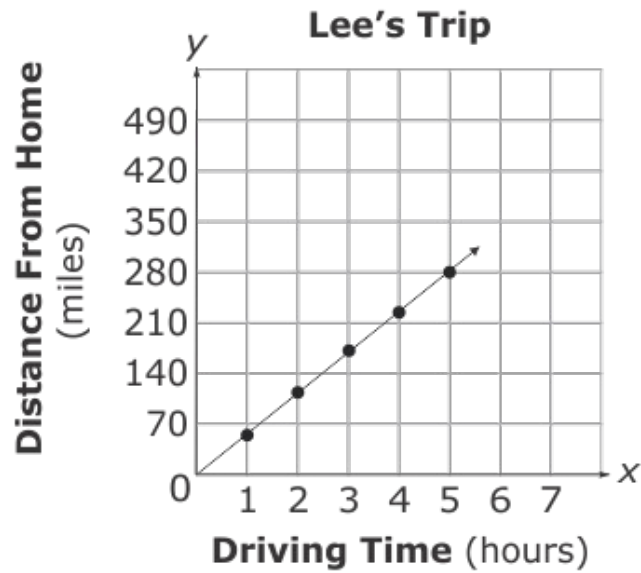
9. Hunter is saving money to buy a bicycle. The graph below shows the total amount he has saved, y , based on the number of weeks he has been saving, x .



Which equation will calculate the total amount Hunter has saved after x weeks?

- A. $y = 4x$
- B. $x = 4y$
- C. $y = 5x$
- D. $x = 5y$

10. In the graph below, Lee recorded how many miles he was from home after each hour of driving.



Which equation would calculate the number of miles from home after x hours of driving time?

- A. $56y = x$
- B. $70y = x$
- C. $y = 56x$
- D. $y = 70x$

11. Cameron was shopping for a whole turkey. The table below shows the prices of turkeys, p , based on their weight in pounds, w .

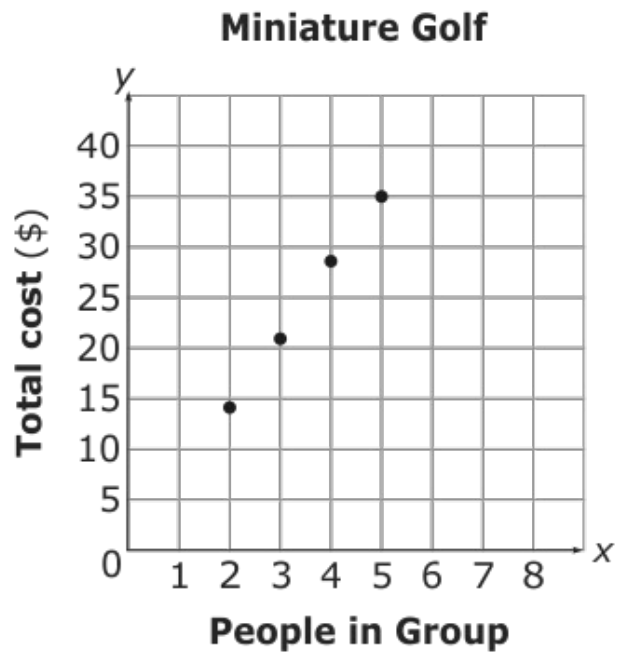
Whole Turkey Prices

Pounds of Turkey (w)	Price (p)
8	\$10.32
12	\$15.48
14	\$18.06

Which equation would calculate the price of a turkey that weighed w pounds?

- A. $p = 1.29w$
- B. $p = 4w$
- C. $p = 5.16w$
- D. $p = 8w$

12. The graph below shows the cost to play one round of miniature golf, y , based on the number of people in a group, x .



Which equation would calculate the cost to play miniature golf for x people in a group?

- A. $y = 5x$
- B. $y = 7x$
- C. $y = 10x$
- D. $y = 14x$