

2016 Mathematics Standards of Learning  
Algebra Readiness Formative Assessment

6.12b

1. Mrs. Andrew made coffee using the ratio of 3 tablespoons of ground coffee to 6 ounces of water. Given that the ratio of number of tablespoons,  $x$  to the amount of water,  $y$ , represents a proportional relationship. Determine the missing values to complete the table.

<b>Ground Coffee</b> ( $x$ ) (tablespoons)		9		16
<b>Water</b> ( $y$ ) (ounces)	4		24	

2. Joey Chestnut holds the record for eating 72 hotdogs in 10 minutes. The table below represents a proportional relationship of number of minutes,  $x$ , to the number of hotdogs,  $y$ . Determine the unit rate for the number of hotdogs eaten per minute.

Minutes ( $x$ )	Hotdogs ( $y$ )
4	28.8
8	57.6
10	72

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3. Micah is going to Putt- Putt with her friends. The table represents the relationship between the number of games to the cost. Determine the missing value.

Number of Games	Cost
2	16
3	24
5	
7	56

- A. 32
- B. 48
- C. 40
- D. 26

4. Jennifer earned \$54 when she sold 9 cheesecakes. If this represents a proportional relationship, what is the unit rate of money earned to cheesecakes sold?

- A. 1 to 6
- B. 1 to 9
- C. 9 to 1
- D. 6 to 1