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.

| **Ground Coffee**(x)(tablespoons) |  | 9 |  | 16 |
| --- | --- | --- | --- | --- |
| **Water** (y) (ounces) | 4 |  | 24 |  |

1. 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 |

1. 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 |

1. 32
2. 48
3. 40
4. 26
5. 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?
6. 1 to 6
7. 1 to 9
8. 9 to 1
9. 6 to 1

Virginia Department of Education 2018