**Review Sheet for Proportional Relationship Test**

**1.** Which fraction represents the ratio *5 roosters out of 15 chickens* in simplest form?

**A.**  **B.**  **C.** 3 **D.**

**2.** Which fraction represents the ratio *2 quarts to 1 gallon* in simplest form?

**F.**  **G.**  **H.**  **J.** 1

**3.** Alexandro buys 7 pounds of cauliflower for $10.78. What is the unit price of the cauliflower?

**-**

**4.** Which rate has the same unit rate as 200 jumps in 5 minutes?

**F.** 120 jumps in 1 minute

**G.** 240 jumps in 6 minutes

**H.** 300 jumps in 8 minutes

**J.** 900 jumps in 10 minutes

**7.** The cost of 6 tacos is $13.20. If the cost is proportional to the number of tacos ordered, which of the following prices is *not* an equivalent rate?

**A.** 2 tacos for $4.40

**B.** 8 tacos for $17.60

**C.** 9 tacos for $19.80

**D.** 3 tacos for $6.20

**8.** LinLo rode her scooter for hour and traveled 2 kilometers. What is her average speed in kilometers per hour?

**9.** The graph of the relationship (dogs, cost) is a line that contains the points (0, 0), (3, 12), and (6, 24). What is the constant of proportionality?

**A.**  **B.**  **C.** 4 **D.** 9

**10.** Which statement best describes the relationship in the table?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Months** | 12 | 24 | 36 | 48 |
| **Years** | 1 | 2 | 3 | 4 |

**F.** The constant of proportionality is 0.

**G.** The constant of proportionality is 4.

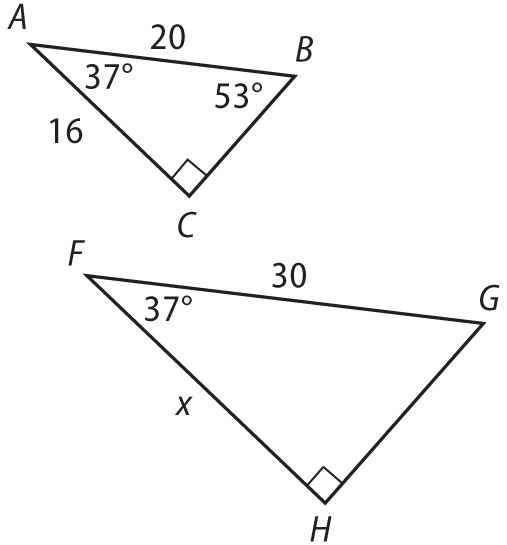
**H.** The number of months is proportional to the number of years.

**J.** The number of months is not proportional to the number of years.

**12.** At the same time a 5-foot girl casts a 4-foot shadow, a nearby stop sign casts an 8-foot shadow. How tall is the stop sign?

**F.** 9 feet **G.** 10 feet **H.** 12 feet **J.** 16 feet

**For Exercises 13 and 14, use similar triangles *ABC* and *FGH*.**

**13.** Which statement is *not* true?

**A.** ∠*H* ≅ ∠*C*

**B.** corresponds to

**C.** corresponds to

**D.** <*B* ≅ <*G*

**14.** What is the measure of <*H*? \_\_\_\_\_\_\_\_\_

15. What is the measure of <G ? \_\_\_\_\_\_\_\_\_

16. What is the value for x? \_\_\_\_\_\_\_\_\_