1. Papa John’s Pizza was having a promotional sale, so Mrs. Lafayette bought 4 medium 1-topping pizzas for $18 for her family. What is the unit cost of one pizza?

$

 #

2. Mrs. Carrera bought a package of 32 gummy eyeballs for $4.48. What is the unit cost for 1 gummy eyeball?

$

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3. What is the unit cost of 1 yogurt?



Yogurt: $10 / 8 pack

4. Ms. Smith plans to carve several jack-o-lanterns with her daughter. She bought ½ dozen pumpkins at Wal-Mart for $34.44. What is the unit cost for one pumpkin?

5. Ms. Sailor bought 12 gallons of gasoline for $41.76 at Valero. What was the unit cost of one gallon of gasoline?

6. Mrs. Ross planning to bake homemade sugar cookies (cut into Christmas shapes). Her recipe will make 3 dozen cookies; it uses 4 eggs. How many cookies can be made with 1 egg?



7. The Lamb family decided to go to Disney World. On the first day they only drove 390 miles and traveled for 6 hours.

Find the unit rate for driving (speed) in mph (miles per hour).

.

8. Coach Vasquez’s heart beat 292 times in 4 minutes. What was his heart rate per minute?

9. A Tiger beetle ran 51 ft in 6 seconds. Find its unit rate of feet per second.

10. Marion Barber ran 42 yards in 5 seconds to score a Cowboy TD. Find his unit rate of yards per second.

11. Mrs. Garcia bought a 1-lb bag of almonds, pecans, and cashews. This mixture cost $0.58 per ounce. How much did the 1-lb bag cost?

 [HINT: 1 pound = 16 ounces]

$

 oz

12. Mrs. Monroe bought one ice cream sandwich for $0.68. At this rate, how much will Mrs. Lowrance pay for 4 ice cream sandwiches?

13. Caroline bought 3 pieces of bubblegum for 45¢. Alyssa bought 8 pieces of bubblegum at the same rate. How much did Alyssa pay?

14. Ashlynn bought a package of 6 Hershey bars for $2.70. At this rate, how much would Jazlynn pay for 11 candy bars?

15. Which is the better buy:

 an 8-pack of Gatorade drinks for $22.00 OR a 6-pack of Gatorade drinks for $16.74?

A The 8-pack with a unit price of $2.75

B The 8-pack with a unit price of $2.09

C The 6-pack with a unit price of $2.79

D The two unit costs are equal

16. Nick bought a package of 5 highlighters for $2.00. Who else bought highlighters for the SAME price PER HIGHLIGHTER?

PROVE IT.

A Jared bought a 3-pack of

 highlighters for $1.35.

B Cameron bought a 4-pack of

 highlighters for $2.00.

C Dillon bought a 6-pack of

 highlighters for $2.40.

D Kristen bought a 3-pack of

 highlighters for $1.50.

17. Deann and Angel counted their heartbeats. Deann had 272 heartbeats in 4 minutes and Angel had 213 heartbeats in 3 minutes. Who had the slowest heartbeat rate and what was their unit rate? PROVE IT.

A Deann’s heart rate was slower with a

 rate of 68 beats per minute.

B Angel’s heart rate was slower with a

 rate of 71 beats per minute.

C Angel’s heart rate was slower with a

 rate of 68 beats per minute.

D Their heartbeat rates were the same.

18. Which is the better buy:

 a 12-pack of Christmas cards for $5.64. OR a 8-pack Christmas cards for $3.36?

PROVE IT.

A The 8-pack with a unit price of $0.42

B The 8-pack with a unit price of $0.70

C The 12-pack with a unit price of $0.47

D The 12-pack with a unit price of $0.28

19. Find the missing value marked “?”.

6

?

30

9

20. Find the missing value marked “?”.

6

27

?

8

PRE-AP / GT SUPPLEMENT: ALL students in a Pre-AP or GT math class taking this test must do the following problems.

21. If Mrs. Garcia bought 72 spinners for $12.96, then how much would she pay for 46 spinners at the same rate?

![MCj02927800000[1]]()

22. Find the missing value marked “?”.

8

42

?

9

23. Mrs. Johnson bought 16.5 gallons of gasoline for $55.77 at Valero. At this rate, how much would Mrs. Torres pay for 11.2 gallons of gasoline? (Note: Round to the nearest penny.)