1. Makayla bought 3 tins (cans) of flavored popcorn to give as Christmas gifts; she paid $16.50 altogether. Jazlynn bought 4 tins of flavored popcorn for $20. Who got the best deal (by paying the cheapest unit cost)? PROVE IT by finding each person’s unit cost of a popcorn tin.

$

tin

$

tin

1. Ashlynn and Taylor bought a bag a dozen Halloween sugar cookies for $2.40 and a 12-pack of Dr. Pepper for $3.00. The Halloween cookies were cut into a variety of spooky shapes, iced, and decorated.

➀ What is the unit cost for the cookies

(cost/cookie)?

$

C

➁ At this rate, how much will Dillon pay

for 7 cookies?

* At this rate, how much will pay for 30 cookies?

➃ The girls decide to sell the sodas

after school; they want to make a

$0.50 profit on each soda. How

much should they sell a soda for in

order to make a $0.50 profit on each

one?

$

S

1. Josephine ate 15 marshmallows in 3 minutes; Tommy ate 16 marshmallows in 4 minutes. Who had the fastest eating rate? PROVE IT by finding the unit rate of marshmallows per minute for both people.

1. Daniel ran 24 yards in 4 seconds.

➀ What is Daniel’s unit rate (yds/sec)?

➁ At this rate, how far would Daniel

run in 3 seconds?

➂ Cindy ran 30 yards in 6 seconds.

Was her rate faster or slower than

Daniel’s rate? PROVE IT.

1. Which is the better buy: a 4-pack of Monster drinks for $13 or a 6-pack of Monster drinks for $19.80?

1. Iris and Mary Ann counted their heartbeats. Iris had 140 heartbeats in 2 minutes and Mary Ann had 180 heartbeats in 3 minutes.

➊ Who has a slower heart rate?

PROVE IT.

♥ beats

minute

♥ beats

minute

* At this rate, how many heartbeats will Iris have in 5 minutes?

7. Mrs. Johnson bought 5 cool balls for

birthday treats that cost $6.45.

At this rate, how much would Mrs.

Carrera pay for 7 of these cool balls?

 8. Ms. Sailor bought 30 packages of “fun-

size” M&M for $7.80. Mrs. Berlardinelli

bought 40 packages of “fun-size” M&Ms

for $10.00. Who got the “better buy”?

9. If Mrs. Garcia bought 34 spinners for $5.44, then how much would she pay for 20 spinners at the same rate?

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10. Mr. Flores bought 20 gallons of gasoline for $63.80 at Shell. Mr. Ramirez bought 15 gallons of gasoline at Stripes for $48. Mrs. Barrington bought 12 gallons of gasoline at Racetrack for $39. Which store has the cheapest unit price for 1 gallon of gasoline? Prove it.

11. A Tiger beetle ran 24 ft in 3 seconds and a giant cockroach ran 44 ft in 8 seconds. Which bug has the faster unit rate? Prove it.