

Calculator Problems:**Find each unit rate. Round your answer to the nearest hundredth.**

1. type 800 words in 12 minutes _____ words per minute	2. 192 students in 4 buses _____ in each bus
3. 357 miles in 5 hours _____ miles per hour	4. 8 ducks for \$23.60 \$_____ per duck
5. a 10-lb bag of cherries for \$33.49 _____ per lb	6. 12 chickens lay 30 eggs _____ eggs per chicken
7. Earn \$134 in 8 hours _____ per hour	8. 3 pizzas for \$19.99 _____ each
9. 3500 calories for 6 servings of pie _____ calories per serving	10. 351 chairs in 27 rows _____ chairs in each row
11. \$37.29 for 2 pairs of jeans. _____ each	12. \$37.29 for 2 pairs of ducks _____ per duck
13. 24 senior citizens in 12 RVs _____ in each RV	14. 7 penguins for \$188.88 _____ each

Which is the better buy?

15. A 12.5 oz bag of Doritos for \$3.79 or a 3 oz bag for \$1.00.
16. 12 bars of soap for \$10.00 or 5 bars of soap for \$4.00.
17. A box of 84 penguins for \$13,597 or a bag of 50 penguins for \$795.95.
18. 5 gallon bucket of paint for \$97.45 or a 1 gallon bucket of paint for 21.95.
19. 48oz big gulp for \$1.39 or a 32 oz coke for \$.89.
20. 50 head of cattle for \$24,500 or 37 head of cattle for \$18,870

21.

Jerome, Kevin, and Seth shared a submarine sandwich.

Jerome ate $\frac{1}{2}$ of the sandwich, Kevin ate $\frac{1}{3}$ of the sandwich, and Seth ate the rest. What is the ratio of Jerome's share to Kevin's share to Seth's share?

- A. 2:3:6
- B. 2:6:3
- C. 3:1:2
- D. 3:2:1
- E. 6:3:2

27. Morgan scored 41 points in 3 games. How many points would you expect him to make in an 11 game season.

Unit rate _____points/game

Points in 11 games_____

28. Andy drove 840 miles in 12 hours. How far could he drive in 3 hours?

Unit rate (speed) _____

Distance _____

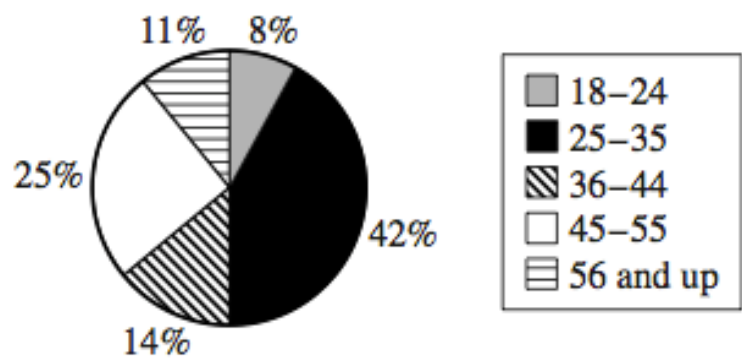
8. ACT PROBLEMS

In a bag of 400 jelly beans, 25% of the jelly beans are red in color. If you randomly pick a jelly bean from the bag, what is the probability that the jelly bean picked is NOT one of the red jelly beans?

- F. $\frac{1}{2}$
- G. $\frac{1}{4}$
- H. $\frac{3}{4}$
- J. $\frac{1}{16}$
- K. $\frac{15}{16}$

The circle graph below shows the distribution of registered voters, by age, for a community. Registered voters are randomly selected from this distribution to be called for jury duty. What are the odds (in the age range:not in the age range) that the first person called for jury duty is in the age range of 25–35 years?

Distribution of Registered Voters by Age



- A. 1:3
- B. 7:8
- C. 7:43
- D. 21:29
- E. 42:25

Guess how many passengers can ride the hospital elevator?

