

**QUESTION 138**

Lamar and Angela each bought sofas that cost \$399.00 each, including tax. Angela paid cash, but Lamar paid 10% of the cost and made 12 monthly payments of \$36.00 each. How much MORE did Lamar pay than Angela?

- A. \$ 39.90
- B. \$ 33.00
- C. \$ 72.90
- D. \$ 432.00
- E. \$ 471.90

**Correct Answer: C**

**QUESTION 139**

A window washer charges an hourly fee of \$8.50 plus an additional fee of \$0.50 for each window washed. Which of the following expressions accurately represents the number of dollars charged by the window washer to work 4 hours and wash  $x$  windows?

- A.  $4 + 8.50 + 0.50x$
- B.  $4(8.50) + 0.50x$
- C.  $4(0.50x) + 8.50$
- D.  $4(8.50)(0.50x)$
- E.  $4(8.50 + 0.50x)$

**Correct Answer: B**

**QUESTION 140**

Petra earns \$75 per week while working at a pizza parlor on Monday, Tuesday, and Friday evenings. If Petra receives a promised raise of \$0.50 per hour, how much will she then earn per week?

- A. \$ 75.50
- B. \$ 76.50
- C. \$ 82.50
- D. \$112.50
- E. Not enough information is given.

**Correct Answer: E**

**QUESTION 141**

Over time, a leaky faucet can waste many gallons of water. If a faucet drips at a rate of 2 ounces per minute, how many gallons of water will be wasted in one week? (1 gallon = 128 ounces)

- A. 22.5
- B. 78.75
- C. 135
- D. 157.5
- E. 9450

**Correct Answer: D**

**QUESTION 142**

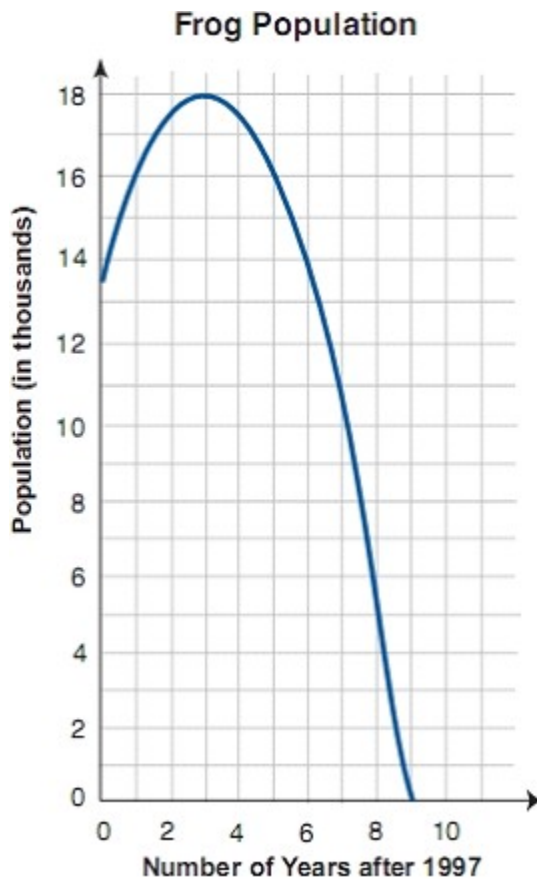
Margaret's monthly income is \$1200. Of that income, 25% is used to pay her rent, and another 10% goes into savings. How much of her monthly income can Margaret use for expenses other than rent and savings?

- A. \$780
- B. \$480
- C. \$420
- D. \$350
- E. \$300

**Correct Answer:** A

**QUESTION 143**

What was the approximate frog population in the lake when the study began?

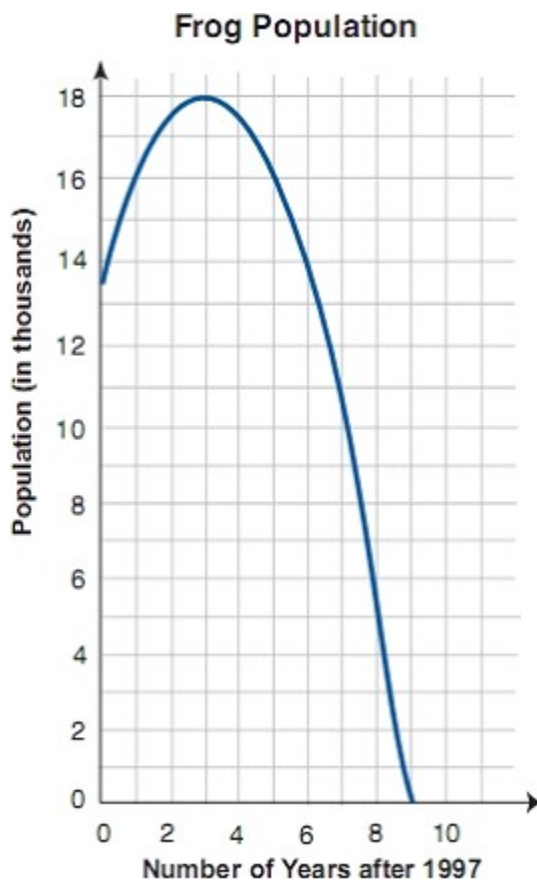


- A. 16,000
- B. 13,500
- C. 12,750
- D. 13.5
- E. 12.75

**Correct Answer:** B

**QUESTION 144**

In what year was the frog population the greatest?



- A. 1997
- B. 1998
- C. 1999
- D. 2000
- E. 2001

**Correct Answer:** D

**QUESTION 145**

Because correcting errors reduces the actual number of words per minute a person might type, some people use the following formula to calculate effective typing speed (T) in words per minute:

$$T = \frac{w - 10e}{5}$$

Where w is the number of words typed in 5 minutes, and e is the number of errors made.

If Cesar types 325 words in 5 minutes and makes 5 errors, what would be the value of T?

- A. 10
- B. 15
- C. 55
- D. 65
- E. 315

**Correct Answer:** C

**QUESTION 146**

The highway patrol uses the following formula to estimate the speed (s), in miles per hour, at which a car was traveling if the car skidded d feet before stopping after the brakes were applied:

$$s = \sqrt{30fd}$$

The variable f relates to the friction of the road surface. The following table estimates f for certain types of road surfaces and conditions.

**f-values**

	Concrete	Asphalt	Gravel
Dry	0.75	1.00	0.25
Wet	0.50	0.60	0.10

If a car skids 80 feet on wet gravel, what is the approximate speed, in miles per hour, at which the car was traveling?

- A. 43.8
- B. 31.4
- C. 22.6
- D. 15.5
- E. 10.4

**Correct Answer:** D

**QUESTION 147**

Conrad is required to review an average of 30 insurance cases each day during his five-day workweek. The table at the left shows how many cases he reviewed during the first four days.

### Insurance Cases

Day	Cases Reviewed
Monday	28
Tuesday	33
Wednesday	32
Thursday	34
Friday	

What is the minimum number of cases Conrad must review on Friday to meet his required average for the week?

- A. 150
- B. 127
- C. 33
- D. 30
- E. 23

**Correct Answer:** E

#### QUESTION 148

The deposits at the local bank total \$8,489,517.00. What is this amount rounded to the nearest thousand dollars?

- A. \$8,480,000
- B. \$8,489,000
- C. \$8,489,500
- D. \$8,490,000
- E. \$8,490,517

**Correct Answer:** D

#### QUESTION 149

The Dewey Decimal System (DDS) is used to organize books in many libraries. Each book is assigned a number based on its content and author. Listed at the left are five books classified under American Literature in English and their corresponding DDS number.