

Latest Version: 8.0

Section 1: Sec One(1 to 10)

Details:Mathematics Practice Questions

Question: 1

John buys 100 shares of stock at \$100 per share. The price goes up by 10% and he sells 50 shares. Then, prices drop by 10% and he sells his remaining 50 shares. How much did he get for the last 50?

- A. \$5000
- B. \$5500
- C. \$4900
- D. \$5050
- E. \$4950

Answer: E

Question: 2

A teacher has 3 hours to grade all the papers submitted by the 35 students in her class. She gets through the first 5 papers in 30 minutes. How much faster does she have to work to grade the remaining papers in the allotted time?

- A. 10%
- B. 15%
- C. 20%
- D. 25%
- E. 30%

Answer: C

Question: 3

A satellite in a circular orbit rotates around the Earth every 120 minutes. If the Earth's radius is 4000 miles at sea level, and the satellite's orbit is 4000 miles above sea level, approximately what distance does the satellite travel in 40 minutes?

- A. 1400 miles

- B. 9210 miles
- C. 4400 miles
- D. 4120 miles
- E. 8000 miles

Answer: B

Question: 4

What is the next-highest prime number after 67?

- A. 68
- B. 69
- C. 71
- D. 73
- E. 76

Answer: C

Question: 5

How many 3-inch segments can a 4.5-yard line be divided into?

- A. 15
- B. 45
- C. 54
- D. 64
- E. 84

Answer: C

Question: 6

Sheila, Janice, and Karen, working together at the same rate, can complete a job in $3\frac{1}{3}$ days. Working at the same rate, how much of the job could Janice and Karen do in one day?

- A. $\frac{1}{5}$
- B. $\frac{1}{4}$
- C. $\frac{1}{3}$
- D. $\frac{1}{9}$
- E. $\frac{1}{8}$

Answer: A

Question: 7

A box of laundry detergent contains 16.5 oz of product. What is the maximum number of loads that can be washed if each load requires a minimum of $\frac{3}{4}$ oz of detergent?

- A. 10
- B. 50
- C. 22
- D. 18
- E. 16.5

Answer: C

Question: 8

A blouse normally sells for \$138, but is on sale for 25% off. What is the cost of the blouse?

- A. \$67
- B. \$103.50
- C. \$34.50
- D. \$113
- E. \$125

Answer: B

Question: 9

A crane raises one end of a 3300 lb steel beam. The other end rests upon the ground. If the crane supports 30% of the beam's weight, how many pounds does it support?

- A. 330 lbs
- B. 990 lbs
- C. 700 lbs
- D. 1100 lbs
- E. 2310 lbs

Answer: B

Question: 10

A taxi service charges \$5.50 for the first $\frac{1}{5}$ th of a mile, \$1.50 for each additional $\frac{1}{5}$ th of a mile, and 20 cents per minute of waiting time. Joan took a cab from her place to a flower shop 8 miles away, where she bought a bouquet, then another 3.6 miles to her mother's place. The driver had to wait 9 minutes while she bought the bouquet. What was the fare?

- A. \$20
- B. \$120.20
- C. \$92.80
- D. \$91
- E. \$90

Answer: C

Section 2: Sec Two (11 to 20) Details: Basic Operations Practice Questions

Question: 11

Edward ascends to the top of a mountain over the course of two days. On Friday, he ascends 482 feet. He ascends another 362 feet on Saturday. How many feet did he ascend in all?

- A. 848 feet
- B. 836 feet
- C. 840 feet
- D. 844 feet

Answer: D

Question: 12

Kristen must buy three items that are priced at \$4.58, \$6.22, and \$8.94. What is the best estimate for the total cost of all three items?

- A. \$18
- B. \$16
- C. \$20
- D. \$22

Answer: C

Question: 13

A teacher donates to a local charity. Each year, she donates three times the amount donated the previous year. If the teacher donated \$2 the first year, how much did she donate during the fifth year?

- A. \$158
- B. \$164
- C. \$162
- D. \$144

Answer: C

Question: 14

Penny drinks 8 glasses of water each day. The number of glasses of water she drinks over a 12-day time span can be determined, using the number sentence: Which number sentence would not show the number of glasses of water she drinks?

- A. $? / 8 = 12$
- B. $12 \times 8 = ?$
- C. $? / 12 = 8$
- D. $12 - 8 = ?$

Answer: D

Question: 15

Belinda draws a rectangle with a length of 6 cm. She draws a second rectangle with a length of 11 cm. Belinda continues drawing more rectangles, where for each rectangle drawn, she uses a length that is 5 more centimeters than the length of the previous rectangle. If this pattern continues, what will be the length of the 11th rectangle?

- A. 46 cm
- B. 54 cm
- C. 56 cm
- D. 61 cm

Answer: C

Question: 16

Jasper collects 1,082 cans of food. He gives a certain number of cans to the first local charity he finds. He now has 602 cans of food. How many cans of food did he give to the first local charity?

- A. 430
- B. 480
- C. 682
- D. 1,684

Answer: B

Question: 17

Amanda creates the base of a picture frame, using 4.55 inches of red fabric and 6.25 inches of blue fabric. How many inches of fabric are used to create the base of the frame?

- A. 10.80 inches
- B. 10.85 inches
- C. 10.75 inches
- D. 10.90 inches

Answer: A

Question: 18

Hannah ran 12 laps every day for 8 days. How many laps did she run in all?

- A. 108
- B. 96
- C. 84
- D. 72

Answer: B

Question: 19

Three friends sold cupcakes for a fundraiser. Eli sold 84 cupcakes, John sold 46 cupcakes, and Kim sold 72 cupcakes. Which of the following is the best estimate for the number of cupcakes

the three friends sold in all?

- A. 180
- B. 200
- C. 210
- D. 190

Answer: B

Question: 20

Carlisle charges \$21.95 per hair cut and has completed 30 haircuts this week. Which of the following is the best approximation for the total charges for all haircuts?

- A. \$450
- B. \$600
- C. \$750
- D. \$800

Answer: B