



ASVAB-SECTION-2^{Q&As}

ASVAB Section two : Arithmetic Reasoning

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QUESTION 1

During Friday night's high school performance of the play *Seven Brides for Seven Brothers*, 76% of the seats in the performing arts center (with a seating capacity of 500 people) were occupied, and three-quarters of those attending were parents.

How many high school students attended the play?

- A. 95
- B. 100
- C. 76
- D. 285

Correct Answer: A

QUESTION 2

Sarah found a wallet containing \$500 in the street. She returned the wallet to its owner, who gave her a \$30 reward.

What percentage of the \$500 was the reward?

- A. 5%
- B. 6%
- C. 7%
- D. 4%

Correct Answer: B

QUESTION 3

Your piggy bank contains \$19.75 in dimes and quarters. There are 100 coins in all. How many dimes are there?

- A. 25
- B. 30
- C. 35
- D. 40

Correct Answer: C

QUESTION 4



A treasure map is drawn to a scale of 2 inches = 3 miles. On the map, the distance between Point A and X-marks-the-spot is $9\frac{1}{2}$ inches.

How many actual miles does this represent?

- A. $28\frac{1}{2}$ miles
- B. $14\frac{1}{4}$ miles
- C. $6\frac{1}{3}$ miles
- D. 19 miles

Correct Answer: B

QUESTION 5

As a member of FEMA, you're required to set up a contingency plan to supply meals to residents of a town devastated by a tornado. A breakfast ration weighs 12 ounces and the lunch and dinner rations weigh 18 ounces each.

Assuming a food truck can carry 3 tons and that each resident will receive 3 meals per day, how many residents can you feed from one truck during a 10-day period?

- A. 150 residents
- B. 200 residents
- C. 250 residents
- D. 300 residents

Correct Answer: B

QUESTION 6

The sun is 93 million miles from Earth and light travels at a rate of 186,000 miles per second. How long does it take for light from the sun to reach the Earth?

- A. 5 minutes
- B. $6\frac{1}{2}$ minutes
- C. 7 minutes
- D. $8\frac{1}{2}$ minutes

Correct Answer: D

QUESTION 7

You work in a hospital and make \$15.28 per hour for a 40 hour a week. If you work the night shift you get a slight



differential added at \$2.32 per hour worked during this shift. You just completed your first week and worked 34 hours on a regular shift and 6 hours on the night shift.

What is the total amount you earned this week?

- A. \$519.52
- B. \$615.20
- C. \$611.20
- D. \$625.12

Correct Answer: D

QUESTION 8

Bob just got hired for on-the-road sales and will travel about 1,500 miles a week during a 40-hour work week.

If the time spent traveling is $\frac{2}{3}$ of his week, how many hours a week will he be on the road?

- A. Bob spends about 20 hours of his 40-hour work week on the road.
- B. Bob spends about 27 hours of his 40-hour work week on the road.
- C. Bob spends about 22 hours of his 40-hour workweek on the road.
- D. Bob spends about 13 hours of his 40-hour work week on the road.

Correct Answer: B

QUESTION 9

You take your dog for a walk in the evenings and it takes about 25 minutes to walk 8 city blocks.

If you decide to do a "marathon walk" of 32 city blocks on a Saturday, how many minutes will it take you to complete this?

- A. 1 hour + 40 minutes
- B. 1 hour + 25 minutes
- C. 1 hour
- D. 1 hour + 32 minutes

Correct Answer: A

QUESTION 10

Jolie wants to get a new car before her second year of college. The sticker price of the kind of car she wants went up



from \$22,399 last year to \$23,999 for this year's model.

What percentage did the price increase?

- A. 1.071%
- B. 7.1%
- C. 9.3%
- D. 71.4%

Correct Answer: B

QUESTION 11

Six people can run 3 machines in the factory. How many machines can 18 people run?

- A. 7
- B. 9
- C. 6
- D. 8

Correct Answer: B

QUESTION 12

If a car is towed 12 miles to the repair shop, and the tow charge is \$3.50 per mile, how much did the tow cost?

- A. \$12.00
- B. \$3.50
- C. \$42.00
- D. \$100.00

Correct Answer: C

QUESTION 13

Terry earns three times more per hour than Tim. Tim earns \$2 more per hour than Angie. As a group they earn \$43 per hour.

What's Angie's hourly wage?

- A. \$7.00



- B. \$8.00
- C. \$9.00
- D. \$10.00

Correct Answer: A

QUESTION 14

A blouse normally costs \$18.50.

How much money is saved if the blouse is purchased at a 20% discount?

- A. \$1.85
- B. \$14.80
- C. \$4.50
- D. \$3.70

Correct Answer: D

QUESTION 15

You just started a retirement fund by depositing \$7,000 in an account. The annual interest rate for an account with an "early withdrawal" penalty is 5.75%.

How much money will you have in your account if you leave it for 2 years?

- A. \$7402.50
- B. \$7080.50
- C. \$7500.28
- D. \$7828.14

Correct Answer: D

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