# ASVAB-SECTION-2 ${ }^{\text {Q\&As }}$ 

ASVAB Section two : Arithmetic Reasoning

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## QUESTION 1

Rafael can type 9 pages an hour.
How long will it take him to type 126 pages?
A. 14 hours
B. 9 hours
C. 7 hours
D. 16 hours

## Correct Answer: A

## QUESTION 2

Carpet stain protector costs $\$ 0.65$ per square yard to apply.
A. $\$ 187.20$
B. $\$ 62.40$
C. $\$ 20.80$
D. $\$ 96.00$

Correct Answer: C

## QUESTION 3

A crate containing a puppy weighs 60 pounds, 5 ounces. The puppy weighs 43 pounds, 7 ounces. How much does the crate alone weigh?
A. 16 pounds, 8 ounces
B. 16 pounds, 2 ounces
C. 17 pounds
D. 16 pounds, 14 ounces

Correct Answer: D

## QUESTION 4

Pete and his partner Mike made a huge profit in their software business together this year and have decided to use $\$ 20,000$ of the profit for a Christmas donation to their favorite charities. Using the investment ratio each of them
contributed to starting the business, Pete invested the most with $4: 1$ ratio to Mike.
How much money will Mike get to donate to his charity?
A. $\$ 5,000$
B. $\$ 4,000$
C. $\$ 3,000$
D. $\$ 16,000$

Correct Answer: B

## QUESTION 5

An aircraft flies over Boondock Air Force Base at 10:20 a.m. At 10:32 a.m., the plane passes over Sea Side Naval Air Station, 120 miles away.

How fast is the aircraft traveling?
A. 400 mph
B. 500 mph
C. 600 mph
D. 700 mph

Correct Answer: C

## QUESTION 6

On a particular scale drawing, $1 / 4$ inch represents 1 foot.
How long would a line on the drawing have to be to represent a length of 3 V ?feet?
A. $3 / 4$ inch
B. $7 / 8$ inch
C. $17 / 8$ inch
D. $11 / 4$ inch

Correct Answer: B

## QUESTION 7

You are planning your vacation and trying to figure out the total number of miles you will be traveling on a round trip from Portland, Oregon to Denver, Colorado, and back to Portland, Oregon. The scale for the map you are consulting
shows that 1 inch $=4$ miles. Measuring, you find that you will be traveling 3141/2 inches for the one-way trip.
What is the total number of miles you will be traveling during the entire round trip?
A. 314.5 miles
B. 2,516 miles
C. 1258 miles
D. 629 miles

Correct Answer: B

## QUESTION 8

We bought 5 pounds of cashew nuts worth $\$ 1.80$ per pound, mixed with 4 pounds of peanuts worth $\$ 1.62$ per pound.
What is the value per pound of the mixture?
A. $\$ 1.72$
B. $\$ 1.71$
C. $\$ 3.42$
D. $\$ 1.82$

Correct Answer: A

## QUESTION 9

Julie gives 7 pieces of candy to each of her friends.
If Julie gives all of her candy away, which amount of candy could have been the amount she distributed?
A. 128
B. 161
C. 145
D. 162

Correct Answer: B

## QUESTION 10

Tom has been saving for a new car and finally has the money to make the deal. He put down $\$ 3,800$ and will be paying $\$ 325$ a month for 5.5 years.

What is the total cost of his purchase?
A. $\$ 19,500$
B. $\$ 21,450$
C. $\$ 25,250$
D. $\$ 23,300$

Correct Answer: C

## QUESTION 11

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

## QUESTION 12

The list price of a TV set is $\$ 325$, but the retailer offers successive discounts of $20 \%$ and $30 \%$. What price does a customer actually pay?
A. $\$ 182.00$
B. $\$ 270.00$
C. $\$ 162.50$
D. $\$ 176.67$

Correct Answer: A

## QUESTION 13

A carpenter earns $\$ 12.30$ an hour for a 40 -hour week. His overtime pay is $11 / 2$ times his base pay. If he puts in a 46-hour week, how much is his weekly pay?
A. $\$ 602.70$
B. $\$ 492.00$
C. $\$ 565.80$
D. $\$ 110.70$

Correct Answer: A

## QUESTION 14

A lumberjack wishes to drive a spike through the center of a tree with a circumference of 43.96 feet.
What $\backslash \backslash$ 's the minimum length of the spike needed to go completely through the tree, passing through the center?
A. 14 feet
B. 15 feet
C. 16 feet
D. 17 feet

Correct Answer: A

## QUESTION 15

Louis ran a race in 2.4 minutes. Laura ran the same race in 124 seconds. What is the difference between the two times?
A. 2 seconds
B. 20 seconds
C. 40 seconds
D. 1 minute

Correct Answer: B

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