**ASVAB Arithmetic Reasoning Practice Test**

**Q1. Lisa went to the grocery store and bought a package of hot dogs for $3.54, a package of buns for $1.79, a container of mustard for $2.10, a jar of relish for $2.16, and a bag of charcoal for $5.15. What was her total bill?**

* A. $12.64
* B. $14.74
* C. $16.15
* D. $16.74

 **Answer \_\_**

**Q2. Kim bought a blouse for $17.16, a skirt for $38.19, and a purse for $35.14. If she hands the clerk a $100 bill, what is her change?**

* A. $1.53
* B. $9.51
* C. $10.67
* D. $14.15

 **Answer \_\_**

**Q3. Cassidy answered 38 questions correctly on a test with 45 items. To the nearest percent, what percent did she answer correctly?**

* A. 72%
* B. 78%
* C. 84%
* D. 89%

 **Answer \_\_**

**Q4.Susan’s test scores for Social Studies are 81, 76, 91, 73, and 79. What is her average score?**

* A. 80
* B. 87
* C. 91
* D. 93

 **Answer \_\_**

**Q5. A box of chocolates has 45 pieces. If 9 pieces have nuts in them, what percentage are without nuts?**

* A. 20%
* B. 45%
* C. 79%
* D. 80%

 **Answer \_\_**

**Q6. In the Metro Bicycle Club, 6 of 48 members are females. What is the ratio of females to all club members?**

* A. 3/16
* B. 1/15
* C. 1/4
* D. 1/8

 **Answer \_\_**

**Q7. A teacher has assigned 192 pages of reading. If Vanessa starts reading on Monday and reads 48 pages each day, on what day will she complete the assignment?**

* A. Wednesday
* B. Thursday
* C. Friday
* D. Saturday

 **Answer \_\_**

**Q8. Samuel is saving coins in a jar so that he can purchase a software program. He has saved 94 nickels, 44 quarters, and 112 dimes. If he reaches into the jar to pick one coin at random, what is the probability that he will pick a dime?**

* A. 1/2
* B. 2/3
* C.  56/125
* D. 112/138

 **Answer \_\_**

**Q9. Rene deposits $4,000 in a savings account that earns 4% simple interest per year. How much interest will she earn after 3 years?**

* A. $112
* B. $350
* C. $380
* D. $480

 **Answer \_\_**

**Q10. Leah flies 5,200 miles in 11 hours. What is the average speed of her airplane?**

* A. 472.73 miles/hour
* B. 499.17 miles/hour
* C. 512.33 miles/hour
* D. 587.43 miles/hour

 **Answer \_\_**

**Q11. The Kent High School Booster’s Club has 250 members. In 90 days it hopes to have a membership of 376 by initiating a Web-based membership campaign. On average, how many new members does it need to sign up each day to reach that goal?**

* A. 1
* B. 1.4
* C. 1.5
* D. 2.2

 **Answer \_\_**

**Q12. Max has a rectangular garden that is 3 feet by 7 feet. If he needs 2 ounces of fertilizer per square foot for the garden to flourish, how many ounces must he use?**

* A. 21 oz
* B. 42 oz
* C. 44 oz
* D. 56 oz

 **Answer \_\_**

**Q13. The local electronics store is holding a 20%-off sale on all its products. Marla selects 2 CDs at the original price of $16.99 each. What is the price of the two CDs after the 20% discount?**

* A. $15.99
* B. $22.50
* C. $25.78
* D. $27.18

 **Answer \_\_**

**Q14. The Berkeley Department Store is running a special back-to-school sale on shoes in September. A pair of shoes costs $67.50. In October the price increases to $87.75. What percent increase is the price in October?**

* A. 15%
* B. 20%
* C. 24%
* D. 30%

 **Answer \_\_**

**Q15. Two numbers together add to 300. One number is twice the size of the other. What are the two numbers?**

* A. 25; 50
* B. 50; 100
* C. 75; 150
* D. 100; 200

 **Answer \_\_**

**Q16. Hugo is making a picture frame for a photo of his family. The photo is 8 inches by 10 inches. If the wood for the frame costs 50 cents an inch, how much will the wood for the frame cost?**
A. $9.00
B. $12.00
C. $15.00
D. $18.00

 **Answer \_\_**

**Q18. Sue spent one-third of her life in Kansas. If Sue is 39, how many years did she spend in Kansas?**

* A. 9
* B. 12
* C. 13
* D. 15

 **Answer \_\_**

**Q19. Brian shoots hoops with Dave, who is two years younger than Brian. If Brian is 17, how old is Dave?**

* A. 15
* B. 17
* C. 19
* D. 21

 **Answer \_\_**

**Q20. Al has three times as much money as Bill. Bill has two times as much money as Charlie. If Charlie has $5.89, how much money does Al have?**

* A. $11.78
* B. $19.79
* C. $29.24
* D. $35.34

 **Answer \_\_**

**Q21. The car owned by Marisa gets an average of 16 miles per gallon of gas on the highway. If she recently took a trip of 1,344 miles, how many gallons of gas did she use?**

* A. 34 gallons
* B. 57 gallons
* C. 78 gallons
* D. 84 gallons

 **Answer \_\_**

**Q22. A rectangular swimming pool is 6 feet deep, 28 feet long, and 12 feet wide. What is the volume of the pool?**

* A. 1,655 ft³
* B. 1,799 ft³
* C. 2,016 ft³
* D. 2,546 ft³

 **Answer \_\_**

**Q23. Josh wants to put a fence around his rectangular garden. The garden is 6 feet by 15 feet. How much fencing must he purchase?**

* A. 30 feet
* B. 35 feet
* C. 42 feet
* D. 47 feet

 **Answer \_\_**

**Q24.In a recent election, Joe received 32% of the votes, Samantha received 14% of the votes, Sally received 42% of the votes, and Cal received 12% of the votes. If 5,000 votes were cast, how many votes did Samantha receive?**

* A. 300
* B. 450
* C. 535
* D. 700

 **Answer \_\_**

**Q25. A circular pool is 3.5 meters deep and has a radius of 9 meters. What is the volume?**

* A. 450.2 m³
* B. 575.9 m³
* C. 890.2 m³
* D. 974.4 m³

 **Answer \_\_**

**Q26. The diameter of a planet is 8,000 miles. What is its circumference?**

* A. 19,412 miles
* B. 20,889 miles
* C. 25,120 miles
* D. 28,475 miles

 **Answer \_\_**

**Q27. Will has $4,355.19 in his checking account. He writes checks for $1,204.90 and $890.99. How much is left in Will’s account?**

* A. $1,189.65
* B. $2,259.30
* C. $2,867.30
* D. $2,989.50

 **Answer \_\_**

**Q28. A club collected $585.00. If 75% of that came from membership dues, how much money came from the dues?**

* A. $413.15
* B. $438.75
* C. $465.75
* D. $525.05

 **Answer \_\_**

**Q29. Danny buys a computer originally priced at $750.00, software programs originally priced at $398.75, a printer originally priced at $149.98, and a case of paper originally priced at $24.99. All items are on sale for 20% off. How much will Danny save because of the sale?**

* A. $124.94
* B. $196.74
* C. $236.24
* D. $264.74

 **Answer \_\_**

**Q30. A ladder is placed against a building. If the ladder makes a 55° angle with the ground, what is the measure of the angle that the ladder makes with the building?**

* A. 35°
* B. 40°
* C. 55°
* D. 90°

 **Answer \_\_**

**Answer Keys and Explanation Link (URL)**

[**https://gotestprep.com/asvab-arithmetic-reasoning-practice-test/**](https://gotestprep.com/asvab-arithmetic-reasoning-practice-test/)