

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. $\frac{1}{2}$
- B. $\frac{2}{3}$
- C. $\frac{56}{125}$
- D. $\frac{112}{138}$

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/>