



JROTC Virtual Learning

LET 3 & 4/ ASVAB Practice Test 1

April 17, 2020



Lesson: April 17, 2020

Objective/Learning Target:

Students take the practice ASVAB and evaluate their results to better understand the test and the areas they should study.

ASVAB Practice Test

- Today you will take the first three subtests of the ASVAB (General Science, Arithmetic Reasoning and Word Knowledge)
- During the previous lessons we have heard how important practicing the ASVAB is for improving your score.
- You can print the answer sheets in this lesson or you can number your paper and write the answer letter next to the number.
- Check the time allowed in the instructions then keep track of your time. This is good practice for the actual test because time management is important for getting the most correct answers as possible.
- After you finish the three tests check your answers with those provided at the end of this lesson. Look at each answer to better understand why it is correct.

PART 1: GENERAL SCIENCE**Time: 11 Minutes—25 Questions**

Directions: This is a test of 25 questions to find out how much you know about general science as usually covered in high school courses. Pick the best answer for each question, then blacken the space on your answer sheet that has the same number and letter as your choice.

Here are three sample questions.

1. Water is an example of a (A) (B) ● (D)
- A. solid.
 - B. gas.
 - C. liquid.
 - D. crystal.

Notice that choice C has been marked for question 1. Now do practice questions 2 and 3 by yourself. Find the correct answer to the question, then mark the space that has the same letter as the answer you picked.

Do this now.

2. Lack of iodine is often related to which of the following diseases? (A) (B) (C) (D)
- A. Beriberi
 - B. Scurvy
 - C. Rickets
 - D. Goiter
3. An eclipse of the sun throws the shadow of the (A) (B) (C) (D)
- A. earth on the moon.
 - B. moon on the earth.
 - C. moon on the sun.
 - D. earth on the sun.

You should have marked choice D for question 2 and choice B for question 3. If you made any mistakes, erase your mark carefully and blacken the correct answer space. Do this now.

Your score on this test will be based on the number of questions you answer correctly. You should try to answer every question. Do not spend too much time on any one question.

When you begin, be sure to start with question number 1 in Part 1 in your test booklet and number 1 in Part 1 on your answer sheet.

- Under natural conditions, large quantities of organic matter decay after each year's plant growth has been completed. As a result of such conditions
 - many animals are deprived of adequate food supplies.
 - soil erosion is accelerated.
 - soils maintain their fertility.
 - earthworms are added to the soil.
- Which is NOT a fruit?
 - Tomato
 - Cucumber
 - Green pepper
 - Potato
- The most likely reason why dinosaurs became extinct was that they
 - were killed by erupting volcanoes.
 - were eaten as adults by the advancing mammalian groups.
 - failed to adapt to a changing environment.
 - killed each other in combat.
- Which of the following is a chemical change?
 - Magnetizing a rod of iron
 - Burning one pound of coal
 - Mixing flake graphite with oil
 - Vaporizing 1g of mercury in a vacuum
- In the process of manufacturing food, plants
 - create energy.
 - destroy energy.
 - store energy of the sun.
 - do not need the energy of the sun.
- One-celled animals belong to the group of living things known as
 - protozoa.
 - annelida.
 - porifera.
 - arthropoda.
- Spiders can be distinguished from insects by the fact that spiders have
 - hard outer coverings.
 - large abdomens.
 - four pairs of legs.
 - biting mouth parts.
- What temperature is shown on a Kelvin thermometer when a centigrade thermometer reads 0° ?
 - 32°
 - 0°
 - 273°
 - -32°
- Of the following, the lightest element known on Earth is
 - hydrogen.
 - oxygen.
 - helium.
 - air.
- Of the following gases in the air, the most plentiful is
 - argon.
 - oxygen.
 - nitrogen.
 - carbon dioxide.
- Which of the following is the result of a bacterial infection?
 - Measles
 - Mumps
 - Smallpox
 - Syphilis

12. Which alcohol would be present in alcoholic beverages?
- A. Grain alcohol
 - B. Glyceryl alcohol
 - C. Wood alcohol
 - D. Isopropyl alcohol
13. A new drug for treatment of tuberculosis was being tested in a hospital. Patients in Group A actually received doses of the new drug; those in Group B were given only sugar pills. Group B represents a(n)
- A. scientific experiment.
 - B. scientific method.
 - C. experimental error.
 - D. experimental control.
14. Of the following, the simple machine that provides a mechanical advantage of 1 is the
- A. screw.
 - B. second-class lever.
 - C. single fixed pulley.
 - D. single movable pulley.
15. Radium is stored in lead containers because
- A. the lead absorbs the harmful radiation.
 - B. radium is a heavy substance.
 - C. lead prevents the disintegration of the radium.
 - D. lead is cheap.
16. The type of joint that attaches the arm to the shoulder blade is known as a(n)
- A. hinge.
 - B. pivot.
 - C. immovable.
 - D. ball and socket.
17. Limes were eaten by British sailors to
- A. justify their nickname, "limeys."
 - B. pucker their mouths to resist the wind.
 - C. satisfy their craving for something acidic.
 - D. prevent scurvy.
18. The time that it takes for the earth to rotate 45° is
- A. 1 hour.
 - B. 4 hours.
 - C. 3 hours.
 - D. 10 hours.
19. Which gas is exhaled by mammals?
- A. Oxygen
 - B. Carbon dioxide
 - C. Hydrogen
 - D. Carbon monoxide
20. All of the following are amphibia EXCEPT the
- A. salamander.
 - B. frog.
 - C. lizard.
 - D. toad.
21. Of the following planets, the one that has the shortest revolutionary period around the sun is
- A. Earth.
 - B. Jupiter.
 - C. Mercury.
 - D. Venus.
22. The rate of doing work is known as
- A. effort.
 - B. energy.
 - C. mechanical advantage.
 - D. power.

23. A circuit breaker is used in many homes instead of a
- A. switch.
 - B. fire extinguisher.
 - C. fuse.
 - D. meter box.
24. What is the name of the negative particle that circles the nucleus of the atom?
- A. Neutron
 - B. Meson
 - C. Proton
 - D. Electron
25. Which of the following rocks can be dissolved with a weak acid?
- A. Sandstone
 - B. Gneiss
 - C. Granite
 - D. Limestone

STOP!
IF YOU FINISH BEFORE
THE TIME IS UP, YOU MAY
CHECK OVER YOUR WORK
ON THIS PART ONLY.

PART 2: ARITHMETIC REASONING*Time: 36 Minutes—30 Questions*

Directions: This test has 30 questions about arithmetic. Each question is followed by four possible answers. Decide which answer is correct, then blacken the space on your answer sheet that has the same number and letter as your choice. Use scratch paper to do any figuring.

Here are two sample questions.

1. A person buys a sandwich for \$4.00, soda for \$1.25, and pie for \$1.75.

What is the total cost?

(A) (B) (C) (D)

- A. \$6.85
- B. \$6.95
- C. \$7.00
- D. \$7.15

The total cost is \$7.00; therefore, choice C is the correct answer.

2. If 8 workers are needed to run 4 machines, how many workers are needed to run 20 machines?

(A) (B) (C) (D)

- A. 16
- B. 32
- C. 36
- D. 40

The number needed is 40; therefore, choice D is the correct answer.

Your score on this test will be based on the number of questions you answer correctly. You should try to answer every question. Do not spend too much time on any one question.

Notice that Part 2 begins with question number 1. When you begin, be sure to start with question number 1 in Part 2 in your test booklet and number 1 in Part 2 on your answer sheet.

1. A man owns 50 shares of stock worth \$30 each. The corporation declared a dividend of 6% payable in stock. How many shares did he then own?
 - A. 47 shares
 - B. 53 shares
 - C. 56 shares
 - D. 62 shares
2. If a load of snow contains 3 tons, it will weigh how many pounds?
 - A. 3,000
 - B. 1,500
 - C. 12,000
 - D. 6,000
3. A pint of milk is what part of half a gallon?
 - A. $\frac{1}{8}$
 - B. $\frac{1}{4}$
 - C. $\frac{1}{2}$
 - D. $\frac{1}{16}$
4. At the rate of 4 peaches for a half dollar, 20 peaches will cost
 - A. \$1.60
 - B. \$2.00
 - C. \$2.40
 - D. \$2.50
5. A student deposited in his savings account the money he had saved during the week. Find the amount of his deposit if he had 10 one-dollar bills, 9 half dollars, 8 quarters, 16 dimes, and 25 nickels.
 - A. \$16.20
 - B. \$17.42
 - C. \$18.60
 - D. \$19.35
6. How many minutes are there in 1 day?
 - A. 60
 - B. 1,440
 - C. 24
 - D. $1,440 \times 60$
7. One year the postage rate for sending 1 ounce of mail first class was increased from 25 cents to 29 cents. The percent of increase in the 29-cent postage rate was most nearly
 - A. 14 percent
 - B. 16 percent
 - C. 18 percent
 - D. 20 percent
8. On a scale drawing, a line $\frac{1}{4}$ inch long represents a length of 1 foot. On the same drawing, what length represents 4 feet?
 - A. 1 inch
 - B. 2 inches
 - C. 3 inches
 - D. 4 inches
9. What is the greatest number of half-pint bottles that can be filled from a 10-gallon can of milk?
 - A. 160
 - B. 170
 - C. 16
 - D. 17
10. If a boat is towed at the rate of 4 miles per hour, how much time will be needed to tow the boat 17 miles?
 - A. 5 hours, 15 minutes
 - B. 4 hours, 30 minutes
 - C. 4 hours, 15 minutes
 - D. 5 hours, 30 minutes

11. If 3 apples cost 48¢, how many dozen apples can be bought for \$3.84?
- A. 1
 - B. $1\frac{1}{2}$
 - C. 2
 - D. $5\frac{1}{3}$
12. How much time is there between 8:30 a.m. today and 3:15 a.m. tomorrow?
- A. $17\frac{3}{4}$ hours
 - B. $18\frac{1}{3}$ hours
 - C. $18\frac{1}{2}$ hours
 - D. $18\frac{3}{4}$ hours
13. If a fire truck is 55 feet away from a hydrant, it is how many feet nearer to the hydrant than a truck that is 105 feet away?
- A. 40 feet
 - B. 50 feet
 - C. 55 feet
 - D. 60 feet
14. A woman's weekly salary is increased from \$350 to \$380. The percent of increase is most nearly
- A. 6 percent.
 - B. $8\frac{1}{2}$ percent.
 - C. 10 percent.
 - D. $12\frac{1}{2}$ percent.
15. A truck going at a rate of 20 miles an hour will reach a town 40 miles away in how many hours?
- A. 3 hours
 - B. 4 hours
 - C. 1 hour
 - D. 2 hours
16. If a barrel has a capacity of 100 gallons, how many gallons will it contain when it is two-fifths full?
- A. 20
 - B. 40
 - C. 60
 - D. 80
17. If a salary of \$20,000 is subject to a 20 percent deduction, the net salary is
- A. \$14,000
 - B. \$15,500
 - C. \$16,000
 - D. \$18,000
18. If \$2,000 is the cost of repairing 100 square yards of pavement, the cost of repairing 1 square yard is
- A. \$20
 - B. \$100
 - C. \$150
 - D. \$200
19. A car can travel 24 miles on a gallon of gasoline. How many gallons will be used on a 192-mile trip?
- A. 8
 - B. 9
 - C. 10
 - D. 11
20. If an annual salary of \$21,600 is increased by a bonus of \$720 and by a service increment of \$1,200, the total annual pay is
- A. \$22,320
 - B. \$22,800
 - C. \$23,320
 - D. \$23,520

21. A man takes out a \$5,000 life insurance policy at a yearly rate of \$29.62 per \$1,000. What is the yearly premium?
- A. \$90.10
 - B. \$100.10
 - C. \$126.10
 - D. \$148.10
22. On her maiden voyage, the *S.S. United States* made the trip from New York to England in 3 days, 10 hours, and 40 minutes, beating the record set by the *R.M.S. Queen Mary* in 1938 by 10 hours and 2 minutes. How long did it take the *Queen Mary* to make the trip?
- A. 3 days, 20 hours, 42 minutes
 - B. 3 days, 15 hours, 38 minutes
 - C. 3 days, 12 hours, 2 minutes
 - D. 3 days, 8 hours, 12 minutes
23. A carpenter spent his 40-hour workweek as follows:
- $\frac{1}{4}$ of his time ordering materials;
 - $\frac{1}{2}$ of his time doing the woodwork; and
 - $\frac{1}{8}$ of his time talking to customers.
- The rest of his time was devoted to cleanup. What is the approximate percentage of time the carpenter spent doing cleanup?
- A. 8%
 - B. 10%
 - C. 12.5%
 - D. 15%
24. My friend bought some skateboards for \$195. He sold them for \$770 making \$25 profit on each skateboard. How many skateboards were there?
- A. 20
 - B. 23
 - C. 32
 - D. 36
25. An inch on a map represents 200 miles. On the same map, a distance of 375 miles is represented by
- A. $1\frac{1}{2}$ inches.
 - B. $1\frac{7}{8}$ inches.
 - C. $2\frac{1}{4}$ inches.
 - D. $2\frac{3}{4}$ inches.
26. The number of half-pound packages of tea that can be made up from a box that holds of tea is
- A. 5
 - B. $10\frac{1}{2}$
 - C. 20
 - D. $20\frac{1}{2}$
27. A pile of magazines is 4 feet high. If each magazine is $\frac{3}{4}$ of an inch thick, the number of magazines in the pile is
- A. 36
 - B. 48
 - C. 64
 - D. 96
28. If one kilometer is approximately $\frac{5}{8}$ of a mile. Then approximately how many miles are in 42 kilometers?
- A. 22
 - B. 26
 - C. 32
 - D. 44

29. Five girls each ate 3 cookies from a box containing 2 dozen. What part of a dozen was left?
- A. $\frac{1}{8}$
 - B. $\frac{1}{4}$
 - C. $\frac{3}{4}$
 - D. $\frac{7}{8}$
30. A folding chair regularly sells for \$29.50. How much money is saved if the chair is bought at a 20% discount?
- A. \$4.80
 - B. \$5.90
 - C. \$6.20
 - D. \$7.40

STOP!
IF YOU FINISH BEFORE THE TIME IS UP,
YOU MAY CHECK OVER YOUR WORK ON THIS PART ONLY.

PART 3: WORD KNOWLEDGE*Time: 11 Minutes—35 Questions*

Directions: This test has 35 questions about the meanings of words. Each question has an underlined word. You are to decide which one of the four words in the choices most nearly means the same as the underlined word, then mark the space on your answer sheet that has the same number and letter as your choice.

Here are the two sample questions.

1. Mended most nearly means (A) (B) (C) (D)
- A. repaired.
 - B. torn.
 - C. clean.
 - D. tied.

Repaired, choice A, is the correct answer. *Mended* means *fixed* or *repaired*. *Torn*, choice B, might be the state of an object before it is mended. The repair might be made by *tying*, choice D, but not necessarily. *Clean*, choice C, is wrong.

2. It was a small table. (A) (B) (C) (D)
- A. Sturdy
 - B. Round
 - C. Cheap
 - D. Little

Little means the same as *small*, so choice D is the best answer.

Your score on this test will be based on the number of questions you answer correctly. You should try to answer every question. Do not spend too much time on any one question.

When you begin, be sure to start with question number 1 in Part 3 in your test booklet and number 1 in Part 3 on your answer sheet.

1. Double most nearly means
 - A. almost.
 - B. half.
 - C. twice.
 - D. more than.
2. Purchase most nearly means
 - A. charge.
 - B. supply.
 - C. order.
 - D. buy.
3. Hollow most nearly means
 - A. empty.
 - B. brittle.
 - C. rough.
 - D. smooth.
4. Candor most nearly means
 - A. untruthful.
 - B. directness.
 - C. flightless.
 - D. round about.
5. Customary most nearly means
 - A. curious.
 - B. necessary.
 - C. difficult.
 - D. common.
6. The clerk was criticized for his slipshod work.
 - A. Slow
 - B. Careful
 - C. Careless
 - D. Original
7. The captive was treated kindly.
 - A. Savage
 - B. Jailer
 - C. Spy
 - D. Prisoner
8. Benevolent most nearly means
 - A. frugal.
 - B. generous.
 - C. thoughtful.
 - D. peaceful.
9. Fictitious most nearly means
 - A. imaginary.
 - B. well known.
 - C. odd.
 - D. easy to remember.
10. The policeman consoled the weeping child.
 - A. Found
 - B. Scolded
 - C. Carried home
 - D. Comforted
11. The preface of the book was interesting.
 - A. Title page
 - B. Introduction
 - C. Table of contents
 - D. Appendix
12. To penetrate most nearly means to
 - A. enter into.
 - B. bounce off.
 - C. dent.
 - D. weaken.
13. Villainous most nearly means
 - A. untidy.
 - B. dignified.
 - C. homely.
 - D. wicked.
14. To defraud most nearly means
 - A. to reward.
 - B. to donate.
 - C. to cheat.
 - D. to save.

15. Punctual most nearly means
- A. polite.
 - B. thoughtful.
 - C. proper.
 - D. prompt.
16. Counterfeit most nearly means
- A. questionable.
 - B. mysterious.
 - C. false.
 - D. incomprehensible.
17. Permissible most nearly means
- A. considerable.
 - B. allowable.
 - C. negative.
 - D. safe.
18. Unite most nearly means
- A. improve.
 - B. serve.
 - C. uphold.
 - D. combine.
19. The foreman defended the striking workers.
- A. Delayed
 - B. Shot at
 - C. Protected
 - D. Informed on
20. The aim of the enlistee was to join the navy.
- A. Bull's-eye
 - B. Goal
 - C. Duty
 - D. Promise
21. To nestle most nearly means
- A. to snuggle.
 - B. to cast out.
 - C. to toss.
 - D. to squirm.
22. Merchants most nearly means
- A. producers.
 - B. advertisers.
 - C. bankers.
 - D. storekeepers.
23. Compel most nearly means
- A. tempt.
 - B. persuade.
 - C. force.
 - D. disable.
24. The eagle has a keen eye.
- A. Bright
 - B. Shiny
 - C. Sharp
 - D. Tiny
25. Startled most nearly means
- A. surprised.
 - B. chased.
 - C. punished.
 - D. arrested.
26. Forthcoming events are published daily.
- A. Weekly
 - B. Interesting
 - C. Social
 - D. Approaching
27. The junction was crowded.
- A. Mansion
 - B. Place where things join
 - C. Division
 - D. Group
28. Self-sufficient most nearly means
- A. independent.
 - B. conceited.
 - C. stubborn.
 - D. clever.

29. In his hand, the hiker carried a sturdy staff.
- A. Pack
 - B. Stick
 - C. Loaf
 - D. Musical instrument
30. Insignificant most nearly means
- A. unimportant.
 - B. unpleasant.
 - C. secret.
 - D. thrilling.
31. Acquired most nearly means
- A. sold.
 - B. plowed.
 - C. desired.
 - D. obtained.
32. Exhaustion most nearly means
- A. fear.
 - B. overconfidence.
 - C. extreme tiredness.
 - D. unsteadiness.
33. The door was left ajar.
- A. Blocked
 - B. Locked
 - C. Unlocked
 - D. Open
34. Inferior most nearly means
- A. noticeable.
 - B. second-rate.
 - C. lasting.
 - D. excellent.
35. The hikers found several crevices in the rocks.
- A. Plants
 - B. Uneven spots
 - C. Cracks
 - D. Puddles

STOP!
IF YOU FINISH BEFORE THE TIME IS UP,
YOU MAY CHECK OVER YOUR WORK ON THIS PART ONLY.

ANSWER KEYS AND EXPLANATIONS

PART 1: GENERAL SCIENCE

1. C	6. A	11. D	16. D	21. C
2. D	7. C	12. A	17. D	22. D
3. C	8. C	13. D	18. C	23. C
4. B	9. A	14. C	19. B	24. D
5. C	10. C	15. A	20. C	25. D

- The correct answer is B.** When organic matter decays, it decomposes into its constituent elements. These elements are returned to the soil, thus increasing its fertility.
- The correct answer is D.** Fruits have seeds. Tomato, cucumber, green pepper all have seeds. The potato is a tuber.
- The correct answer is C.** The extinction of all sizes and varieties of dinosaurs all over the world can be explained neither by local phenomena nor on a one-by-one basis. The most reasonable assumption is that the dinosaurs failed to adapt and were unable to survive as climatic conditions changed radically.
- The correct answer is B.** Combustion is a chemical process.
- The correct answer is C.** Plants use the energy of the sun to manufacture food.
- The correct answer is A.** Protozoa are one-celled animals. Annelida are worms, porifera are sponges, and arthropoda are spiders and crustaceans.
- The correct answer is C.** All spiders have four pairs of legs. True insects have three pairs of legs.
- The correct answer is C.** To convert the temperature of Celsius to Kelvin add 273.
 $0 + 273 = 273$.
- The correct answer is A.** The atomic weight of hydrogen is 1.0080, that of helium 4.003, and of oxygen 16.00. Air is not an element but a mixture of gases.
- The correct answer is C.** Nitrogen constitutes about four-fifths of the atmosphere by volume.
- The correct answer is D.** Syphilis is caused by a bacteria. Measles, mumps, and smallpox are all viruses.
- The correct answer is A.** Grain alcohol can be used for consumption. Isopropyl, glycerol, and wood alcohol when consumed can cause death.
- The correct answer is D.** Group B served as the control group. If the condition of patients in Group A were to improve significantly more than that of patients in Group B, scientists might have reason to believe in the effectiveness of the drug.
- The correct answer is C.** A fixed pulley and rope provide a mechanical advantage of one.
- The correct answer is A.** Radiation cannot pass through lead.
- The correct answer is D.** Ball-and-socket joints permit movement in almost all directions.

17. **The correct answer is D.** Scurvy is a disease caused by a Vitamin C deficiency. Limes are rich in Vitamin C.
18. **The correct answer is C.** The earth rotates 360° in 24 hours; therefore, it rotates 45° in 3 hours.
19. **The correct answer is B.** In the process of respiration, mammals inhale oxygen and exhale carbon dioxide.
20. **The correct answer is C.** A lizard is a reptile.
21. **The correct answer is C.** Mercury is closest to the sun; therefore, it has the shortest revolutionary period around the sun.
22. **The correct answer is D.** Power is the rate or speed of doing work.
23. **The correct answer is C.** Circuit breakers serve exactly the same function as fuses. Should wires become overheated for any reason, the circuit breaker will “trip,” thus breaking the circuit and interrupting the flow of electricity. Fuse burnout creates the same protective interruption of current.
24. **The correct answer is D.** An electron is a negative particle. A proton is positively charged; a neutron is neutral and without charge; a meson has both positive and negative charges.
25. **The correct answer is D.** Limestone, a sedimentary rock composed of calcium carbonate, can be dissolved with a weak acid.

Items Answered Incorrectly: _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

Items Unsure Of: _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

Total Number Answered Correctly: _____

PART 2: ARITHMETIC REASONING

1. B	7. B	13. B	19. A	25. B
2. D	8. A	14. B	20. D	26. D
3. B	9. A	15. D	21. D	27. C
4. D	10. C	16. B	22. A	28. B
5. D	11. C	17. C	23. C	29. C
6. B	12. D	18. A	24. B	30. B

1. **The correct answer is B.** 50 shares \times \$30 = \$1500. 6% payable stock \Rightarrow it means 6% of the total value of 50 shares \Rightarrow $1500 \times 6\% = 90$. With \$90, the man can buy 3 more shares, so the total he owns then are 53 shares.
2. **The correct answer is D.** 1 ton = 2,000 lbs.; $3 \times 2,000$ lbs. = 6,000 lbs.
3. **The correct answer is B.** There are 8 pts. in 1 gal.; therefore, there are 4 pts. in $\frac{1}{2}$ gal., so,
1 pt. = $\frac{1}{4}$ of $\frac{1}{2}$ gal.
4. **The correct answer is D.** 20 peaches are 5×4 peaches; 4 peaches cost \$.50; $5 \times \$.50 = \2.50
5. **The correct answer is D.**
- $$\begin{array}{r} 10 \times \$1.00 = \$10.00 \\ 9 \times .50 = 4.50 \\ 8 \times .25 = 2.00 \\ 16 \times .10 = 1.60 \\ 25 \times .05 = 1.25 \\ \hline \$19.35 \end{array}$$
6. **The correct answer is B.** 60 minutes in 1 hour; 24 hours in one day; $60 \times 24 = 1,440$ minutes.
7. **The correct answer is B.** To find the percent of increase, subtract the original figure from the new figure. Then divide the amount of change by the original figure. $29\text{¢} - 25\text{¢} = 4\text{¢}$; $4 \div 25 = .16 = 16\%$
8. **The correct answer is A.**
 $4 \times \frac{1}{4}$ inch = 1 inch
9. **The correct answer is A.** 8 pts. in 1 gal.; 80 pts. in 10 gal.; 160 half-pints in 10 gal.
10. **The correct answer is C.** Since distance = rate \times time, substituting you get $17 = 4 \times$ time. Dividing both sides by 4, you get $4\frac{1}{4} = t$. So, 4 hours and $\frac{1}{4}$ of an hour equals 4 hours, 15 minutes.
11. **The correct answer is C.** 3 apples cost 48¢, so one apple costs $48 \div 3 = 16\text{¢}$. $\$.384 \div 16 = 24$ apples; 24 = 2 dozen.
12. **The correct answer is D.**
- | | |
|--------------------------------|--------------------------|
| From 8:30 a.m. | 12:00 = 11:60 |
| until noon today: | <u>-8:30 = 8:30</u> |
| | 3 hrs. 30 mins. |
| From noon till midnight: | 12 hrs. |
| From midnight until 3:15 a.m.: | <u>+ 3 hrs. 15 mins.</u> |
| Total Time: | 18 hrs. 45 mins. |
| | = $18\frac{3}{4}$ hrs. |
13. **The correct answer is B.** 105 feet - 55 feet = 50 feet.
14. **The correct answer is B.** To find percent of increase, subtract the original figure from the new figure. Then divide the amount of change by the original figure.
 $\$.380 - \$.350 = \$.30$; $\$.30 \div \$.350 = .0857$
(which is approximately $8\frac{1}{2}\%$).

15. The correct answer is D.

$$40 \text{ miles} \div 20 \text{ mph} = 2 \text{ hrs.}$$

16. The correct answer is B.

$$\frac{2}{18} \times \frac{100^{20}}{1} = 40 \text{ gal.}$$

17. The correct answer is C. If 20% is deducted, the net salary is 80%. $\$20,000 \times 80\% = \$20,000 \times .80 = \$16,000$.

18. The correct answer is A. $\$2,000 \div 100 = \20

19. The correct answer is A. $192 \div 24 = 8 \text{ gal.}$

20. The correct answer is D.

$$\$21,600 + \$720 + \$1,200 = \$23,520$$

21. The correct answer is D. $\$29.62 \times 5 = \148.10

22. The correct answer is A.

$$\begin{array}{r} 3 \text{ days } 10 \text{ hrs. } 40 \text{ min.} \\ + \quad \quad 10 \text{ hrs. } 2 \text{ min.} \\ \hline 3 \text{ days } 20 \text{ hrs. } 42 \text{ min.} \end{array}$$

23. The correct answer is C.

$$40\left(\frac{1}{4}\right) + 40\left(\frac{1}{2}\right) + 40\left(\frac{1}{8}\right) \Rightarrow 10 + 20 + 5 \Rightarrow 35$$

$40 - 35 = 5$, so 5 hours was spent cleaning:

$$\frac{5}{40} = 12.5\%$$

24. The correct answer is B. $\$770 - \$195 = \$575$. $\$575 \div 25 = 23$ skateboards.

25. The correct answer is B.

$$1 : 200 = x : 375; 200x = 375;$$

$$x = 375 \div 200 = 1.875 = 1\frac{7}{8} \text{ inches}$$

26. The correct answer is D.

$$10\frac{1}{4} \text{ lbs.} + \frac{1}{2} = \frac{41}{4} \times \frac{2}{1} = 20\frac{1}{2} \text{ boxes}$$

27. The correct answer is C. 4 feet = 48 inches;

$$48 \div \frac{3}{4} = \frac{48}{1} \times \frac{4}{3} = 64 \text{ magazines}$$

28. The correct answer is B. If 1 km = $\frac{5}{8}$ mile, then

$$\frac{1 \text{ km}}{\frac{5}{8}} = \frac{42 \text{ km}}{x \text{ miles}}$$

$$x = 42\frac{5}{8}$$

The approximate answer is 26.

29. The correct answer is C. There were $2 \times 12 = 24$ cookies. The girls ate $5 \times 3 = 15$ cookies. Therefore, $24 - 15 = 9$ cookies left; $9 = \frac{3}{4}$ dozen.

30. The correct answer is B. $\$29.50 \times 20\% = \$29.50 \times 0.20 = \$5.90$ saved.

Items Answered Incorrectly: _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

Items Unsure Of: _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

Total Number Answered Correctly: _____

PART 3: WORD KNOWLEDGE

1. C	8. B	15. D	22. D	29. B
2. D	9. A	16. C	23. C	30. A
3. A	10. D	17. B	24. C	31. D
4. B	11. B	18. D	25. A	32. C
5. D	12. A	19. C	26. D	33. D
6. C	13. D	20. B	27. B	34. B
7. D	14. C	21. A	28. A	35. C

- The correct answer is C.** *Double* means *twofold* or *twice* as much.
- The correct answer is D.** To *purchase* is to *buy* for a price.
- The correct answer is A.** *Hollow* means *unfilled* or *empty*.
- The correct answer is B.** *Candor* means *directness*; telling someone how you feel.
- The correct answer is D.** That which is *customary* is *habitual* or established by *common* usage.
- The correct answer is C.** *Slipshod* means *exceedingly slovenly* or *careless*.
- The correct answer is D.** The *captive* is the one who was *captured* and made *prisoner*, regardless of the reason for his capture.
- The correct answer is B.** *Benevolent* means to be *generous*, *compassionate*, and *kind*.
- The correct answer is A.** *Fictitious* means *imaginary* or *not real*.
- The correct answer is D.** To *console* is to *comfort* or *reassure*.
- The correct answer is B.** A *preface* is an *introduction*.
- The correct answer is A.** To *penetrate* is to *enter into* or *to pierce*.
- The correct answer is D.** *Villainous* means *wicked* or *evil*.
- The correct answer is C.** To *defraud* means to *cheat*, *deceive*, *trick*, or *swindle*.
- The correct answer is D.** *Punctual* means *prompt* or *on time*.
- The correct answer is C.** *Counterfeit* most nearly means *false*, or *not real*, as in counterfeit money.
- The correct answer is B.** *Permissible* is synonymous with *allowable*, *acceptable*, and *tolerable*.
- The correct answer is D.** To *unite* is to *put together*, to *combine*, or to *join*.
- The correct answer is C.** To *defend* is to *protect* from harm, verbal or bodily.
- The correct answer is B.** An *aim* is an *intention* or *goal*. To aim is to direct toward the goal.
- The correct answer is A.** To *nestle* means to *snuggle*, *huddle*, or *nuzzle*.
- The correct answer is D.** A *merchant* is one who *sells goods*. A merchant who sells goods from a retail store is a *storekeeper*.
- The correct answer is C.** To *compel* is to *require*, to *coerce*, or to *force*. Compel is a much stronger word than persuade.

24. **The correct answer is C.** *Keen* means *acute*, *sensitive*, or *sharp*.
25. **The correct answer is A.** *Startled* means *frightened suddenly*, though not seriously, hence *surprised*.
26. **The correct answer is D.** *Forthcoming* means *coming up* or *approaching*.
27. **The correct answer is B.** A *junction* is where things *come together*, or may signify an *occasion at a specific time*.
28. **The correct answer is A.** One who is *self-sufficient* is able to accomplish his or her own aims without external aid, and so is *independent*.
29. **The correct answer is B.** The *staff* carried by a hiker is a *stick*. In music, a staff is the horizontal lines and spaces on which music is written.
30. **The correct answer is A.** *Insignificant* means *meaningless* or *unimportant*. The prefix *in* means *not*, so the word literally means *not significant*.
31. **The correct answer is D.** To *acquire* is to *get* or to *obtain* by any means.
32. **The correct answer is C.** *Exhaustion* is the *using up of energy or resources*, *extreme tiredness* or *fatigue*.
33. **The correct answer is D.** *Ajar* means *open*.
34. **The correct answer is B.** *Inferior* means of *lower or lesser quality, rank, or value*, in short, *second-rate*.
35. **The correct answer is C.** A *crevice* is a narrow *opening* or *crack*.

Items Answered Incorrectly: _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

Items Unsure Of: _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

Total Number Answered Correctly: _____