

Section 1 Verbal Ability

Time 30 minutes 30 questions - Select the best answers to the following questions.

Directions: In each of the following antonym questions, a word printed in capital letters precedes five lettered words or phrases. From these five lettered words or phrases, pick the one most nearly opposite in meaning to the capitalized word.

1. DOTE :
 - A. aversion
 - B. antidote
 - C. foolish
 - D. creativity
 - E. daring

2. IMBROGLIO :
 - A. fight
 - B. conclusion
 - C. trust
 - D. thankfulness
 - E. harmony

Directions: Each of the following sentence completion questions contains one or two blanks. These blanks signify that a word or set of words has been left out. Below each sentence are five words or sets of words. For each blank, pick the word or set of words that best reflects the sentence's overall meaning.

3. The _____ professor made the students stand in their desks for the rest of the class when they answered a question _____.
 - A. conventional ... wrong
 - B. enthusiastic ... truthfully
 - C. eccentric ... incorrectly
 - D. avuncular ... fleetingly
 - E. respected ... doubtfully

4. Harry enjoyed eating both meat and vegetables; he considered himself a(n) _____.
 - A. carnivore
 - B. vegetarian
 - C. gluttonous
 - D. omnivore
 - E. nepotism

Directions: Each of the following analogy questions presents a related pair of words linked by a colon. Five lettered pairs of words follow the linked pair. Choose the lettered pair of words whose relationship is most like the relationship expressed in the original linked pair.

5. DRIP : GUSH
- A. cry : laugh
 - B. curl : roll
 - C. stream : tributary
 - D. dent : destroy
 - E. bend : angle
6. WALK : LEGS
- A. blink : eyes
 - B. chew : mouth
 - C. dress : hem
 - D. cover : book
 - E. grind : nose

Directions: Each of the following reading comprehension questions is based on the content of the following passage. Read the passage and then determine the best answer choice for each question. Base your choice on what this passage states directly or implies, not on any information you may have gained elsewhere.

Line	John Paul Jones was the son of a gardener, that started a life on the sea at the young age of 13. After a short career as a trader in the West Indies Islands he fled to Virginia after killing a seaman in “self-defense.” In 1775 with the Revolutionary War heating up he signed up as a lieutenant and quickly gained command of the <i>Ranger</i> . The <i>Ranger</i> was a quick and sprightly ship of 18 guns that Jones used to capture several merchant ships and aggravate the British Navy. When Jones was promoted to captain of the <i>Bonhomme Richard</i> he gained the recognition that we know about today. Jones attacked superior forces in the <i>Bonhomme Richard</i> and seized the British ship <i>Serapis</i> that was more heavily armed than Jones’s ship. During the engagement the British captain called out to Jones. “Has your ship struck?” Jones famous response was, “I have not yet begun to fight!” The <i>Bonhomme Richard</i> had to be scuttled following the engagement and Jones took command of the <i>Serapis</i> . The British Admiralty attempted to court-martial the British captain; however, eventually the captain was knighted for his gallantry. John Paul Jones will forever be known as the man the humbled the British Navy.
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7. This passage is mainly about
- A. Atlantic Naval operations
 - B. *Bonhomme Richard* vs. *Serapis*
 - C. John Paul Jones's endeavors
 - D. British humility
 - E. Revolutionary War Naval Engagements
8. We may infer from the article that John Paul Jones was not
- A. the man that humbled the British Navy
 - B. capable of attacking a ship that was superincumbent to his own
 - C. that strong of a Naval captain
 - D. timorous of the British vessel
 - E. dauntless
9. The article states, "The *Ranger* was a quick and sprightly ship of 18 guns that Jones used to capture several merchant ships and aggravate the British Navy." Sprightly means:
- A. daring
 - B. nimble
 - C. tortuous
 - D. bulky
 - E. adventurous

Antonyms

10. REMINISCE :
- A. originate
 - B. ignore
 - C. create
 - D. reconvene
 - E. credit
11. EXPEDITE :
- A. dispatch
 - B. dawdle
 - C. precipitate
 - D. overlook
 - E. creed
12. ONUS :
- A. easement
 - B. capability
 - C. obligation
 - D. traction
 - E. belief

Analogies

13. ENFRANCHISE : SLAVERY
- A. equation : mathematics
 - B. liberate : confine
 - C. bondage : subjugation
 - D. appeasement : unreasonable
 - E. anatomy : physiology
14. UNION JACK : VEXILLOLOGY
- A. toad : ornithology
 - B. turtle : microbiology
 - C. Gymnosperms : botany
 - D. friend : home economics
 - E. algae : zoology
15. TOPAZ : YELLOW
- A. diamond : carat
 - B. jeweler : clarity
 - C. sapphire : red
 - D. amethyst : purple
 - E. amber : blue

Sentence Completions

16. After a large Sunday dinner, Susan's family was _____.
- A. satiated
 - B. argumentative
 - C. restless
 - D. assiduous
 - E. esurient
17. Grandmother was considered the _____ of the family. If she raised one eyebrow like a scepter, her _____ also known as family would rush to do her bidding.
- A. glue ... subordinates
 - B. queen ... peons
 - C. worker ... bosses
 - D. manipulator ... juniors
 - E. matriarch ... subjects

Reading Comprehension

Line	Antoine Lavoisier was a scientist during the time of the French Revolution.
5	Lavoisier is considered by some to be the father of modern chemistry. He used quantitative measures and controls with his experiments. He was guillotined in 1794 during the final days of the Reign of Terror. Lavoisier was a member of French nobility, and he was also a tax collector.
10	Lavoisier's discoveries lead to the fall of the phlogiston theory and the creation of modern chemistry techniques. Many of Lavoisier's experiments were conducted with the principle of combustion.
15	Lavoisier proposed that oxygen was the key for combustion to occur. Unfortunately, his death by the hand of the guillotine left a void in chemistry for some time.
20	The mathematician Lagrange remarked, "It took but a moment to cut off that head, though a hundred years perhaps will be required to produce another like it."

18. This main theme of this passage focuses on
- A. the contributions Antoine Lavoisier made to the field of Chemistry
 - B. the atrocities of the Reign of Terror to the field of science.
 - C. the life and work of Antoine Lavoisier.
 - D. the fact that great scientist are rare.
 - E. the discovery of oxygen as the key factor needed in combustion.
19. The title of this article could be
- A. "The Father of Chemistry Beheaded"
 - B. "Frenchman Killed for Collecting Taxes and Making Advances in the Field of Chemistry"
 - C. "Chemistry Gets a Head Start"
 - D. "Antoine Lavoisier Life and Contributions to Chemistry"
 - E. "Chemistry is set back 100 years with the Death of Its Father."

20. The article states, "The mathematician Lagrange remarked, "It took but a moment to cut off that head, though a hundred years perhaps will be required to produce another like it." What does this statement mean?
- A. The French set back the advancement of the field of chemistry.
 - B. People should think before they destroy a stain glass window.
 - C. Decisions made in the heat of the moment can result in the detriment of society.
 - D. Once something or someone of value is destroyed, it may take a long time to find a replacement.
 - E. Modern chemistry owes many debts to Antoine Lavoisier.

Antonyms

21. SQUALOR :

- A. impurity
- B. wealth
- C. consumption
- D. feces
- E. indigence

22. RETICENT :

- A. tired
- B. forward
- C. shy
- D. drained
- E. elegant

23. NEXUS :

- A. separation
- B. connection
- C. respect
- D. vinculum
- E. distraction

24. NOISOME :

- A. fetid
- B. rank
- C. salubrious
- D. pacific
- E. pestilent

Analogies

25. LUMEN : BRIGHTNESS

- A. candle : light
- B. density : darkness
- C. nickel : metal
- D. inches : length
- E. color : hue

26. MACERATION : LIQUID

- A. sublimation : gas
- B. evaporation : humidity
- C. trail : path
- D. erosion : weather
- E. decision : distraction

Sentence Completion

27. The raft was tossed about in a _____ .

- A. maelstrom
- B. tornado
- C. jetty
- D. bulkhead
- E. edgy

28. _____ about the success of his company, Randall slept _____ and awakened every few hours.

- A. Worried ... peacefully
- B. Disquieted ... soundly
- C. Satisfied ... erratically
- D. Excited ... deeply
- E. Concerned ... fitfully

Reading Comprehension

Line	Know the difference between aerobic and anaerobic exercises. Both should be included in the exercise workout. An aerobic exercise is an activity designed to improve the respiratory and circulatory systems of the body. Exercisers should do aerobic activities to develop cardiovascular fitness. These types of activities generally do not cause one to get “out of breath.” Usually this type of activity can be done for a long period of time without stopping. To do aerobic exercises, warm-up with stretches, begin slowly to gradually increase heartbeat rate and exercise at a steady, comfortable pace for 10-15 minutes. Running, swimming, and walking are examples of aerobic activities. An anaerobic exercise is an activity done quickly for a short period of time. The body is worked so hard that the exerciser must rest for a brief period of time to replace oxygen or “catch his/her breath.” One must rest for a short period of time after doing anaerobic exercises and sports. Do anaerobic exercises from 10 to 40 seconds, and then rest for 30 to 90 seconds. Repeat this process from 5 to 15 minutes. Anaerobic exercises help build endurance for sports such as basketball, football, and soccer.
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29. In this article the author focuses on:
- A. The relationship between exercise and fitness
 - B. The relationship between weight loss and health
 - C. The relationship between anaerobic and aerobic exercises
 - D. The relationship between nutrition and fitness
 - E. The relationship between exercise and weight loss

30. Which of the following was not considered a possible type of aerobic exercise
- A. walking
 - B. running
 - C. swimming
 - D. jogging
 - E. heavy weight training

Section 2 Quantitative Ability

Work each problem carefully. You are allowed to use scrap paper to do your calculations. The correct answers are found after the section. You are allowed 45 minutes to complete this test.

Directions: In the following type of question, two quantities appear, one in Column A and one in Column B. You must compare them. The correct answer to the question is

- A. if the quantity in Column A is greater
- B. if the quantity in Column B is greater
- C. if the two quantities are equal
- D. if it is impossible to determine which quantity is greater

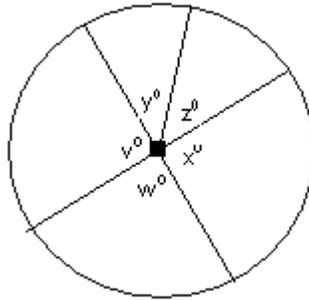
Column A	Column B
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1.

$$\begin{aligned}x + y &= 15 \\x - y &= 24\end{aligned}$$

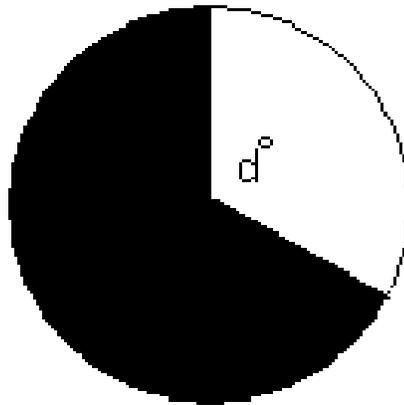
Y	- 5
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2.



The average (arithmetic mean) of v, w, y, x, and z	70
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3. The shaded are in the below figure is 65% of the are of the entire circle, what is the value of d?



d	126°
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4.

The area of a circle with the radius of 3	The area of a semi-circle with the radius of 4
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5.

Sarah volunteered from 9:27 A.M. until 12:45 P.M.
 Jan volunteered from 9:15 A.M. until 12:32 P.M.

The amount of time Sarah volunteered.	The amount of time Jan volunteered.
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6.

If 34% of 360 equals 7.5% of h, what is h

h	1634
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Directions: In the following questions, choose the best answer from the five choices listed.

7. If x and y are prime numbers, $x + y = 9$

- A. $x = 1, y = 8$
- B. $x = 2, y = 7$
- C. $x = 3, y = 6$
- D. $x = 4, y = 5$
- E. $x = 9, y = 0$

8. In a candy store, 60 lbs. of candy was divided equally into $\frac{4}{5}$ lbs. bags. How many packages did the store make from the 60 lbs. of candy?

- A. 50
- B. 62
- C. 75
- D. 80
- E. 83

9. Sunny ate $\frac{1}{3}$ of a pie, and Daily ate $\frac{1}{4}$ of what was rest. What fraction of the pie was still uneaten?

- A. $\frac{1}{5}$
- B. $\frac{1}{4}$
- C. $\frac{1}{3}$
- D. $\frac{5}{12}$
- E. $\frac{1}{2}$

10. If $8a = 5$ and $5b = 8$, what is the value of $\frac{a}{b}$?

- A. $\frac{25}{64}$
 - B. $\frac{5}{8}$
 - C. $\frac{8}{5}$
 - D. $\frac{64}{25}$
 - E. 1
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Column A	Column B
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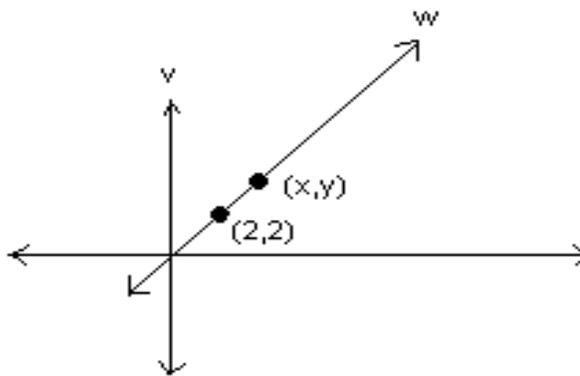
11.

The fraction of 76 hours of a week	The fraction of 10 hours in a day
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12.

n	38
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13.



x-y	0
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14.

500% of 6	600% of 5
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15.

$\frac{24}{25}$ of n	95% of n
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16.

5 is $\frac{2}{3}\%$ of n

n	15
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17. Susan sewed 2 dresses in 50 minutes. At this rate, how many dresses can she sew in 2 hours and 30 minutes?

- A. 4
- B. 5
- C. 6
- D. 7
- E. 8

18. If two boys can deliver a certain amount of newspapers in 6 hours, how many hours will 5 boys take to do the same job if they work at the same rate as the two boys?

- A. 1 hour and 45 minutes
- B. 2 hours and 12 minutes
- C. 2 hours and 24 minutes
- D. 3 hours and 9 minutes
- E. 4 hours and 50 minutes

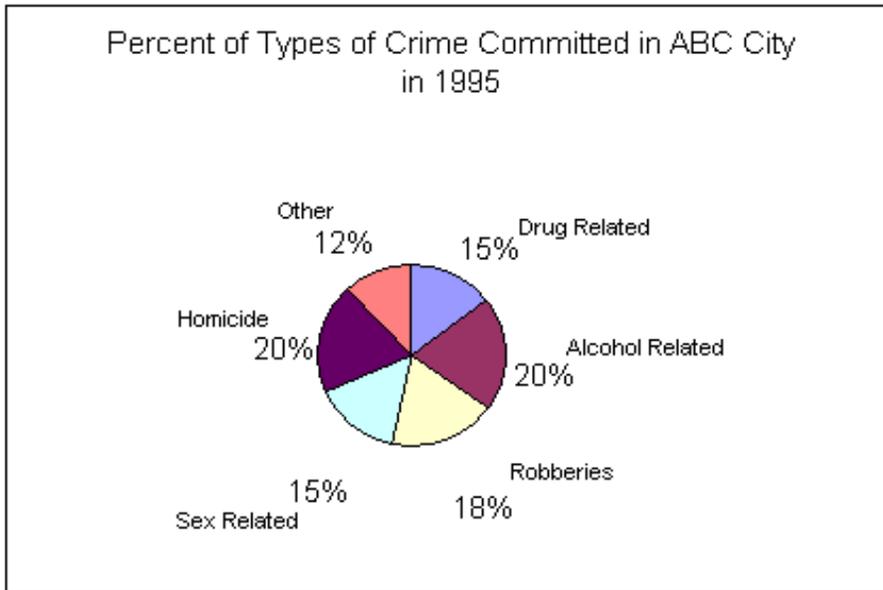
19. This year, the local hockey team's ratio of the number of games won to the number of games lost was 15:8. What was the percent of games lost?

- A. 23.4%
- B. 34.8%
- C. 53.3%
- D. 56.2%
- E. 63.1%

20. Which of the following cannot be expressed as the sum of three consecutive integers?

- A. 39
 - B. 60
 - C. 64
 - D. 72
 - E. 81
-

Questions 21 – 24 refer to the following chart.



21. If 500 crimes were committed in ABC City in 1995, how many were drug and alcohol related?

- A. 100
- B. 155
- C. 175
- D. 185
- E. 205

22. If 45 sex related crimes were reported in ABC City in 1995, the how many total crimes were reported in 1995 in ABC City according to the chart?

- A. 215
- B. 250
- C. 275
- D. 295
- E. 300

23. Which of the following statements are supported by the above graph?

- I. Drug related, homicide and sex related crimes account for 50% of the crime in ABC City.
- II. Alcohol related and robberies account for over $\frac{1}{3}$ of the crime in ABC City
- III. If 40 homicides occurred in 1995, then 30 drug related crime occurred and 38 robberies occurred.

- A. I only

- B. I and II only
- C. I and III only
- D. II and III only
- E. None

24. If 75 drug and alcohol related crimes occurred in ABC City in 1995, then how many homicide and sex related crimes occurred?

- A. 15
- B. 30
- C. 65
- D. 75

E. 105

25. If two sides of a triangle are 11 and 18, which of the following could be the length of the unlabeled side?

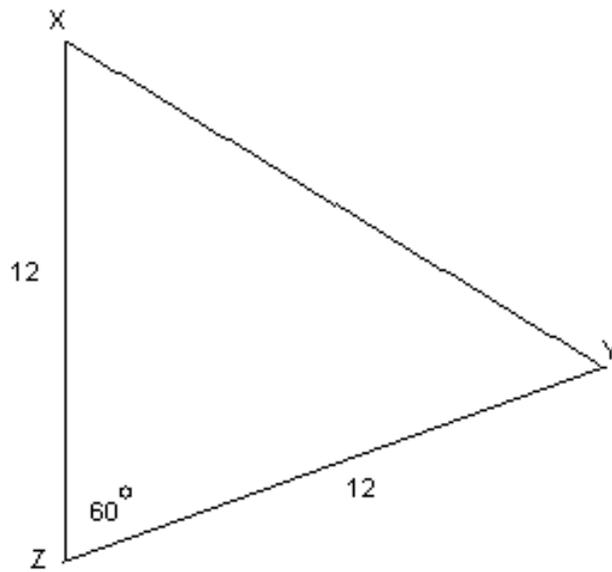
- I. 7
- II. 15
- III. 28

- A. I only
- B. II and III only
- C. I and III only
- D. III only
- E. None of the above

26. What is the area of a square whose diagonal is 15?

- A. 100.2
- B. 110.5
- C. 112.5
- D. 115.5
- E. 118.2

27. In the figure below, what is the perimeter of $\triangle XYZ$.



- A. $12 + 24\sqrt{3}$
- B. $24 + 12\sqrt{3}$
- C. 30
- D. 36
- E. 41

28. What is the measure in degrees of each interior angle in a regular hexagon?

- A. 60
- B. 90
- C. 120
- D. 180
- E. 210

Section 3 Analytical Writing

Part I – Issue Exploration

Defend, qualify, or refute one of the two topics presented in this section. You will have 45 minutes to complete this part of the writing examination. First, select a topic and then begin your essay. Use supporting examples and proper grammar to support your argument. You are only required to write on one topic. Once you have chosen a topic, you will not be allowed to switch topics. Choose carefully.

Topic 1 – “Pre-teen girls are dressing inappropriately. “

Topic 2 – “You cannot take a vacation from your problems.”

Part II – Argument Analysis

Analyze the following argument and determine the legitimacy of the present statements. Use examples and proper grammar to analyze the topic. Do not defend or denounce the following statements. You are only required to analyze the presented information. You have 30 minutes to complete this section of the analytical writing test.

Topic - “All celebrities have the responsibility to be good role models to children. Unfortunately, most celebrities do not take this job seriously to the detriment of the society. Children love to imitate stars as indicated by the way that they dress whether it is a football jersey or a mini skirt with a see through top. Celebrities should be forced to have higher moral standards due to the fact that they are role models whether they chose to be or not.”

Answer Key for Practice Test 5

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