Section 1 – Verbal
60 Questions – 30 Minutes

Directions: Select the word or phrase that is closest in meaning to the word in capital letters.

Sample Question:

ANCIENT:
(A) new
(B) soft
(C) happy
(D) dirty
(E) old   The correct answer is (E) *old*.

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1. ENCOUNTER:
   (A) welcome
   (B) match
   (C) catalogue
   (D) meet
   (E) clear

2. JOYOUS:
   (A) festive
   (B) sacred
   (C) desperate
   (D) jeering
   (E) wistful

3. SWIVEL:
   (A) watch out
   (B) wind up
   (C) rock to and fro
   (D) jump over
   (E) rotate about

4. BARRIER:
   (A) building
   (B) shelter
   (C) hovel
   (D) blockade
   (E) stroller

5. RANDOM:
   (A) wanted
   (B) haphazard
   (C) predicted
   (D) captured
   (E) mediocre

6. SURRENDER:
   (A) yield
   (B) capture
   (C) test
   (D) tussle
   (E) moderate

7. COOPERATE:
   (A) nurture
   (B) empty
   (C) collaborate
   (D) befriend
   (E) appreciate

8. SHUN:
   (A) avoid
   (B) protect
   (C) warn
   (D) awake
   (E) profit

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9. PLACID:
   (A) loose
   (B) calm
   (C) cold
   (D) harmful
   (E) dank

10. PESTER:
    (A) badger
    (B) ask
    (C) supersede
    (D) paint
    (E) levitate

11. REJUVENATE:
    (A) refresh
    (B) reiterate
    (C) argue
    (D) handle
    (E) relish

12. ROBUST:
    (A) large
    (B) broken
    (C) cracked
    (D) automated
    (E) healthy

13. POTENT:
    (A) apologetic
    (B) jealous
    (C) powerful
    (D) waterproof
    (E) fearful

14. TRIUMPH:
    (A) snap
    (B) gloat
    (C) discriminate
    (D) prevail
    (E) equate

15. PROLOGUE:
    (A) beginning
    (B) vessel
    (C) epilogue
    (D) summary
    (E) biography

16. OMINOUS:
    (A) powerful
    (B) singular
    (C) threatening
    (D) bright
    (E) luminous

17. PROCESS:
    (A) method
    (B) cancellation
    (C) appointment
    (D) application
    (E) organization

18. FLINCH:
    (A) steal
    (B) flail
    (C) capture
    (D) hide
    (E) wince

19. NONESSENTIAL:
    (A) fortunate
    (B) unnecessary
    (C) primary
    (D) nonplussed
    (E) recyclable

20. CLONE:
    (A) veer
    (B) imitate
    (C) freeze
    (D) copy
    (E) sketch

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21. DILAPIDATED:
    (A) in ruins
    (B) out of date
    (C) in the know
    (D) on time
    (E) at a loss

22. SPECULATE:
    (A) predict
    (B) search
    (C) discover
    (D) conceal
    (E) polish

23. ABOUND:
    (A) climb
    (B) overflow
    (C) leap
    (D) shackle
    (E) imagine

24. DUBIOUS:
    (A) dingy
    (B) grateful
    (C) productive
    (D) questionable
    (E) fallible

25. CONSPICUOUS:
    (A) confident
    (B) casual
    (C) explosive
    (D) modern
    (E) obvious

26. INDULGE:
    (A) drink up
    (B) give in to
    (C) cut through
    (D) throw out
    (E) catch up

27. FALTER:
    (A) praise
    (B) stumble
    (C) criticize
    (D) mock
    (E) scold

28. SUMMIT:
    (A) sunshine
    (B) chasm
    (C) peak
    (D) cloud
    (E) parchment

29. DANK:
    (A) damp
    (B) rosy
    (C) overrated
    (D) ordinary
    (E) trivial

30. CONGENITAL:
    (A) innate
    (B) elderly
    (C) dreadful
    (D) resistant
    (E) quarterly

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Directions: Select the answer choice that best completes the sentence. Focus your attention on the relationship between the words provided.

Sample Question:

Glove is to hand as
(A) zipper is to jacket
(B) hat is to head
(C) sock is to shoe
(D) seat is to car
(E) cold is to nose   The correct answer is (B) *hat is to head*. A hat covers a head just as a glove covers a hand.

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31. Shiver is to cold as
    (A) chatter is to teeth
    (B) perspire is to hot
    (C) talk it to topic
    (D) massage is to muscle
    (E) run is to hurry

32. Crumb is to cookie as
    (A) morsel is to hunger
    (B) drop is to rain
    (C) shard is to glass
    (D) sand to beach
    (E) oat is to granola

33. Wring is to mop as
    (A) wipe is to countertop
    (B) ring is to doorbell
    (C) rinse is to dish
    (D) vacuum is to dust
    (E) empty is to trash can

34. Sterile is to germ as parched is to
    (A) parasite
    (B) moisture
    (C) padding
    (D) admiration
    (E) sheen

35. Visor is to face as
    (A) umbrella is to rain
    (B) roof is to chimney
    (C) tinting is to glass
    (D) sock is to foot
    (E) awning is to window

36. Arrow is to quiver as
    (A) donut is to oven
    (B) egg is to carton
    (C) bullet is to gun
    (D) nail is to screw
    (E) staple is to paper

37. Clock is to scale as
    (A) alarm is to limit
    (B) horse is to corral
    (C) time is to weight
    (D) precise is to exact
    (E) free is to expensive

38. Carry is to lug as
    (A) indulge is to abstain
    (B) rust is to lubricate
    (C) muddle is to perform
    (D) hold is to support
    (E) wipe is to scrub

39. Owl is to hoot as horse is to
    (A) gallop
    (B) neigh
    (C) thoroughbred
    (D) barn
    (E) guffaw

40. Muffler is to car as pedal is to
    (A) horn
    (B) bicycle
    (C) metal
    (D) flower
    (E) foot

41. Ship is to rip as
    (A) shine is to dine
    (B) send is to tear
    (C) sail is to rail
    (D) mail is to mend
    (E) trip is to trot

42. Doubtful is to dubious as calm is to
    (A) peaceful
    (B) copious
    (C) nervous
    (D) anxious
    (E) catatonic

43. Jog is to sprint as
    (A) pill is to illness
    (B) rotate is to twirl
    (C) joke is to mock
    (D) walk is to stroll
    (E) heat is to warm

44. Arboreal is to trees as
    (A) audible is to radios
    (B) tangible is to hands
    (C) aquatic is to water
    (D) arable is to farming
    (E) marsupial is to whales

45. Doctor is to barber as
    (A) nurse is to patron
    (B) hospital is to hairspray
    (C) stethoscope is to scissors
    (D) medicine is to comb
    (E) syringe is to easel

46. Question is to multiple-choice as
    (A) book is to prosaic
    (B) triangle is to scalene
    (C) fish is to aquatic
    (D) test is to difficult
    (E) coverlet is to pillow

47. Ski is to snow as
    (A) walk is to sneakers
    (B) sink is to float
    (C) run is to track
    (D) jump is to turnstile
    (E) heft is to knapsack

48. Tiger is to carnivore as giraffe is to
    (A) leaf
    (B) herbivore
    (C) vegetable
    (D) omnivore
    (E) prey

49. Read is to skim as
    (A) jump is to leap
    (B) write is to type
    (C) talk is to discuss
    (D) whisper is to shout
    (E) draw is to sketch

50. Kith is to kin as friend is to
    (A) enemy
    (B) ally
    (C) relative
    (D) acquaintance
    (E) stranger

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51. Torch is to flame as
    (A) heat is to oven
    (B) sprinkler is to water
    (C) light is to beam
    (D) log is to kindling
    (E) mask is to face

52. Walk is path as wade is to
    (A) trail
    (B) water
    (C) gravel
    (D) orbit
    (E) sand

53. Surface is to ball as façade is to
    (A) racquet
    (B) building
    (C) flower
    (D) cube
    (E) height

54. Hero is to heroine as
    (A) tarp is to terrapin
    (B) mole is to mollusk
    (C) warlock is to witch
    (D) leader is to follower
    (E) teacher is to principal

55. Belt is to waist as
    (A) scarf is to accessory
    (B) suspender is to shoulder
    (C) foot is to sock
    (D) hat is to helmet
    (E) zipper is to button

56. Despair is to elation as
    (A) willingness is to cooperation
    (B) vanity is to egotism
    (C) disdain is to contempt
    (D) happiness is to ecstasy
    (E) dishonesty is to honesty

57. Float is to foam as founder is to
    (A) rock
    (B) blimp
    (C) company
    (D) frame
    (E) bubble

58. Confused is to bewildered as
    (A) clear is to transparent
    (B) difficult is to easy
    (C) daunting is to enjoyable
    (D) callous is to caring
    (E) calm is to bold

59. Pre is to before as post is to
    (A) between
    (B) during
    (C) after
    (D) from
    (E) among

60. Portable is to movable as
    (A) potable is to drinkable
    (B) heavy is to stationary
    (C) muffled is to audible
    (D) hungry is to edible
    (E) old is to transferable

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Section 2 – Math
25 Questions – 30 Minutes

USE THIS SPACE FOR FIGURING

1. If $300 + 700 - \blacksquare = 840$, then $\blacksquare =$

   (A)   60
   (B)   84
   (C)   120
   (D)   160
   (E)   260

2. Which of the following statements is false?

   (A) $5 \times 1 = 5$
   (B) $5 + 1 = 6$
   (C) $5 \times 0 = 5$
   (D) $5 - 5 = 0$
   (E) $5 \div 5 = 1$

3. If $7 \times 4 \times N \times 1 = 0$, then $N =$

   (A)   28
   (B) $\dfrac{1}{11}$
   (C) $\dfrac{1}{28}$
   (D)   0
   (E) -28

4. If all sides of the polygon shown in Figure 1 are 3 inches long, what is the perimeter, in inches, of the polygon?

   (A)   12
   (B)   15
   (C)   18
   (D)   21
   (E)   24
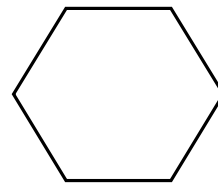
Figure 1

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5. Figure 2 shows ten triangles. The shaded triangles represent what fraction of all triangles shown?

(A) $\dfrac{7}{10}$

(B) $\dfrac{2}{3}$

(C) $\dfrac{1}{2}$

(D) $\dfrac{2}{5}$

(E) $\dfrac{3}{10}$
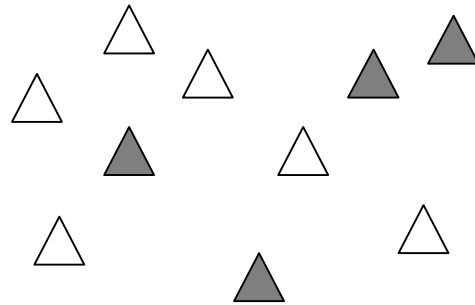
Figure 2

6. Children from a kindergarten class tossed the same number of marbles into a bucket. If the total number of marbles tossed into the bucket was 48, which of the following could NOT have been the number of marbles each child tossed into the bucket?

(A) 12
(B) 9
(C) 8
(D) 6
(E) 2

7. If N is and odd number, which of the following is also an odd number?

(A) $N + 3$
(B) $3N$
(C) $2N + 2$
(D) $3(N + 1)$
(E) $2(N + 1)$

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8. What is the area, in square units, of the shaded region shown in Figure 3?

   (A) 18.5
   (B) 18.0
   (C) 17.5
   (D) 17.0
   (E) 16.5
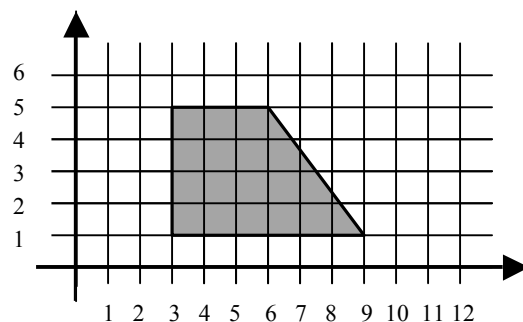
Figure 3

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9. Each of the following fractions is smaller than $\frac{1}{4}$ EXCEPT

   (A) $\dfrac{7}{30}$

   (B) $\dfrac{23}{100}$

   (C) $\dfrac{4}{16}$

   (D) $\dfrac{2}{15}$

   (E) $\dfrac{3}{14}$

---

10. N is a whole number between 10 and 14 and between 1 and 12. Which of the following could be N?

   (A) 10
   (B) 10.75
   (C) 11
   (D) 11.25
   (E) 12

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11. Which number is closest to 4.99?

   (A) 5.03
   (B) 5.3
   (C) 4.33
   (D) 5.1
   (E) 4.9

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12. Traveling only along the edges of the cube shown in Figure 4, which is the shortest path?

    (A)   from E to C, through F
    (B)   from C to E, through A
    (C)   from F to A, through C
    (D)   from D to E, through A
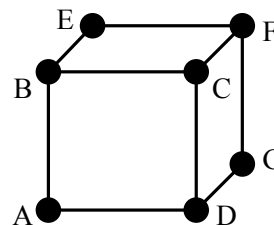   (E)   from A to B, through D

Figure 4

13. If $\dfrac{3}{7} = \dfrac{x}{49}$, then $x =$

    (A)   9
    (B)   10
    (C)   12
    (D)   18
    (E)   21

14. If $\dfrac{1}{2}$ of a number is less than 10, the number must be

    (A)   10
    (B)   20
    (C)   greater than 20
    (D)   less than 20
    (E)   less than 10

15. The cylinder shown on the left in Figure 5 has no top and no bottom. If the surface of the cylinder were cut vertically along the dotted line and then opened and flattened, the resulting two-dimensional area would be

    (A)   a circle
    (B)   a triangle
    (C)   a rectangle
    (D)   a pentagon
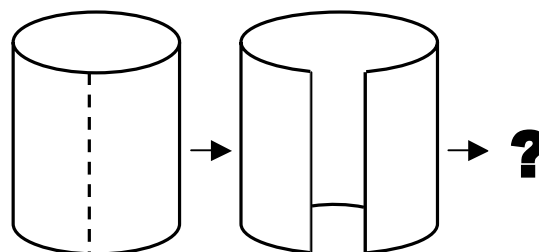   (E)   an oval

Figure 5

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16. For what price is a $40 discount the same as 50% off?

    (A) $200
    (B) $80
    (C) $50
    (D) $40
    (E) $20

17. Al has m marbles. Barbara has 10 more marbles than Al. If Barbara gives Al 15 marbles, how many marbles will Barbara have, in terms of m?

    (A) $m + 25$
    (B) $m + 5$
    (C) $m - 5$
    (D) $m - 10$
    (E) $2(m - 5)$

18. If O is the center of the circle shown in Figure 6, what is the value of x?

    (A)   30
    (B)   45
    (C)   50
    (D)   60
    (E)   It cannot be determined based on the information provided.
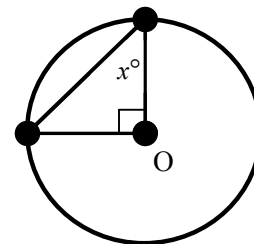
Figure 6

19. If $a \leftrightarrow b = \dfrac{a}{b}$, which of the following is NOT a whole number?

    (A) $4 \leftrightarrow 4$
    (B) $4 \leftrightarrow 2$
    (C) $2 \leftrightarrow 4$
    (D) $15 \leftrightarrow 3$
    (E) $20 \leftrightarrow 4$

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Questions 20-21 refer to Figure 7.

20. How many more sales did The Chocolate Company make in February than in January?

    (A)   2,800
    (B)   3,200
    (C)   5,400
    (D)   5,700
    (E)   6,600

21. For The Chocolate Company, the number of sales in December was how many times the number of sales in March?

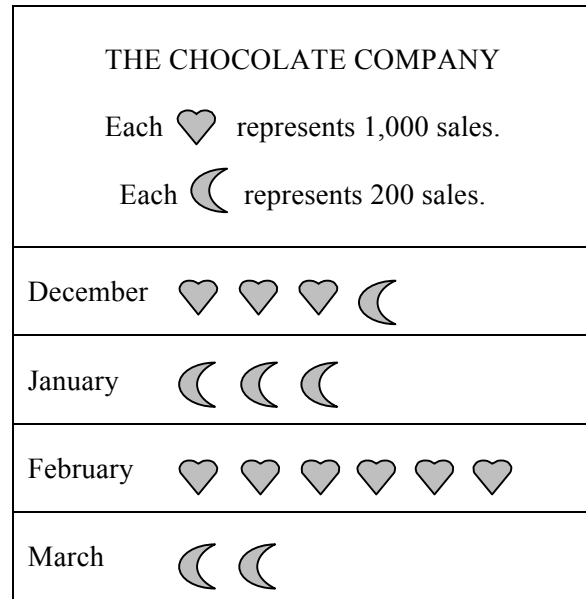   (A)   8
    (B)   7
    (C)   6
    (D)   5
    (E)   4

THE CHOCOLATE COMPANY

Each ♡ represents 1,000 sales.

Each ☾ represents 200 sales.

December	♡ ♡ ♡ ☾
January	☾ ☾ ☾
February	♡ ♡ ♡ ♡ ♡ ♡
March	☾ ☾

Figure 7

22. If $3 + A + B = 10$ and B is less than 2, then A could be

    (A)   6
    (B)   5
    (C)   3
    (D)   0
    (E)   −1

23. At the end of the 1st quarter of a basketball game, Sarah's team is losing by 13 points. In order to win the game, Sarah's team must outscore the opponent by at least how many points per quarter, on average, for each of the remaining 3 quarters of the basketball game?

    (A)   4.66
    (B)   4.33
    (C)   4.00
    (D)   3.66
    (E)   3.33

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24. Which of following numbers can be written in the form $N^2 + 2$, where N is an integer?

    (A) 12
    (B) 14
    (C) 16
    (D) 18
    (E) 19

25. Which of the following would yield the best estimate of 1.98×102

    (A) 1×100
    (B) 1×102
    (C) 2×100
    (D) 2×105
    (E) 2×120

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Section 3 – Reading
40 Questions – 40 Minutes

Directions: Read each passage carefully and then answer the related questions. For each question, choose the best answer on the basis of the related passage.

Last weekend I watched a movie that was set in the 1950s. It was a great movie that included a scene in which a doctor visited a patient in the patient's *Line (5)* bedroom at home. After examining the young patient's mouth and throat with a wooden tongue depressor—say "Ah"— the doctor stood and delivered his only other line in the movie, "Jonny's tonsils *(10)* need to come out, Mrs. Wilson."

Such at-home medical visits are commonly referred to as "house calls." If you are unfamiliar with this term, do not be concerned. There is a good reason for *(15)* your lack of familiarity. House calls are largely a thing of the past. In fact, it's been decades since the practice was common. People like you and me are used to traveling to the doctor's office *(20)* whenever the need for a medical consult arises.

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1. The phrase "was set" in line 2 means

   (A) was stuck
   (B) took time
   (C) was written
   (D) took place
   (E) was made ready

2. According to the passage, housecalls are

   (A) popular today
   (B) expensive to arrange
   (C) common in old movies
   (D) in-office medical consultations
   (E) not common in today's world

3. It can be inferred from the passage that the "patient" referred to in line 4 is

   (A) a movie character named Jonny
   (B) Mrs. Wilson
   (C) a child actor who is really sick
   (D) the Doctor's son
   (E) the author of the passage

4. The passage suggests that the author believes that he is most like which of the following?

   (A) an old-fashioned doctor
   (B) a movie actor
   (C) the reader
   (D) a modern doctor
   (E) the character Mrs. Wilson

5. The best title for the passage is

   (A) Housecalls
   (B) Old Movies
   (C) The Changing Medical Profession
   (D) The 1950s
   (E) Medical Visits

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Line
(5)

Every evening, Pat Burke greets customers as they enter his restaurant in downtown Plainsville. Newcomers are never seated until the friendly Burke has had the opportunity to chat and discover their reasons for visiting the remote city. Regulars at The Rusty Scupper greet Burke with smiles, handshakes, and gentle embraces.

(10) After all, he is 107 years old and not the typical restaurant owner.

After more than 50 years at The Rusty Scupper, the western-style eatery he founded in 1958, Burke still

(15) delights at the world's fascination with the American West and is continually overwhelmed by the distances people travel to experience a sliver of life as it was lived by American pioneers. Over

(20) the decades, Burke has overseen the growth of The Rusty Scupper from a modest business that served local patrons only, to a globally recognizable theme restaurant that attracts

(25) diners from all continents.

A review of the photographs mounted in the waiting area is enough to convince visitors that The Rusty Scupper is worth the trip. The home-

(30) town kitchen has served up meals for countless celebrities including John Wayne, Roy Rodgers, and Marilyn Monroe. Not surprisingly, Burke has become somewhat of a celebrity

(35) himself. Indeed, he is widely believed to be the oldest active restaurant owner in the world, not to mention one of the oldest living humans.

6. According to the passage, Pat Burke is all of the following EXCEPT

(A) an active business person
(B) a movie star
(C) a restaurant owner
(D) the host at The Rusty Scupper
(E) a person familiar with the American West

7. According to the passage, The Rusty Scupper

(A) no longer serves many locals
(B) is popular among European tourists
(C) maintains a cattle ranch
(D) was frequented by John Wayne
(E) has grown in popularity over the decades

8. The word "mounted" in line 27 means

(A) hung
(B) ridden
(C) taken
(D) pictured
(E) sodden

9. According to the passage, a person might dine at The Rusty Scupper for all of the following reasons EXCEPT

(A) to experience a bit of American pioneer life
(B) because celebrities have eaten there
(C) to meet the owner, Pat Burke
(D) because the person is visiting Plainsville from out of town
(E) because the food is delicious

10. The tone of the passage can best be described as

(A) upbeat
(B) tense
(C) humorous
(D) argumentative
(E) somber

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I have three young children who really enjoy sitting with me while I read children's books aloud. Most of the
Line
(5) books in our ever-growing collection are recent publications—texts that have been published in the last five to ten years. While my children are delightfully entertained by their pleasant stories and fanciful characters, personally, I find
(10) many of the stories to be boring, but harmless.

There is one category of children's book, however, that does not seem so harmless to me. You have probably heard
(15) of "success stories." The category that worries me would best be termed "failure stories." There is a rash of children's books being published now that assures children that failure is okay. Witness
(20) some of the story lines: Anita goes down

in the first round of the spelling bee, to be greeted by warm embraces from her parents and teachers. Jack wants his team to win a soccer match; the team loses, but
(25) is treated to ice cream by glowing parents who applaud the team's ability to work together (ineffectively!).

Strangely, when a character *is* allowed to actually win a contest or competition in
(30) one of these books, he must do so in a manner that so diminishes the accomplishment as to make it meaningless. Witness Nila: She is a young runner who tries to win a race. In
(35) the end, however, she is forced to settle for a "group-win" when all of the runners ridiculously cross the finish line at the same time after one of them stumbles, causing all of them to land in a heap.

11. The passage suggests that the writer believes that which of the following should be rewarded?

    (A) participation
    (B) achievement
    (C) group hugs
    (D) success stories
    (E) delightful characters

12. The word "okay" in line 19 means

    (A) acceptable
    (B) delightful
    (C) unharmed
    (D) permitted
    (E) encouraged

13. The writer's insertion of the parenthetical in line 27 (ineffectively!) suggests that a loss indicates which of the following?

    (A) The team will never win a match.
    (B) The team needs a new coach.
    (C) The team played together effectively.
    (D) The players should try running instead.
    (E) The players did not play well together.

14. Which of the following questions is answered in the passage?

    (A) How many runners were involved in the group-win?
    (B) How many children does the writer have?
    (C) How many books does the writer own?
    (D) Does the writer enjoy reading success stories to her children?
    (E) Does the writer enjoy ice cream?

15. The writer's attitude toward failure stories can best be describe as

    (A) skeptical
    (B) doubtful
    (C) enthusiastic
    (D) indifferent
    (E) disapproving

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The five-century-old map of the world that first included the name America was recently put on display at the Library of Congress. Although the map has already attracted thousands of curious visitors, most visitors are unaware of the questions that the map continues to pose for historians. How was the mapmaker able to draw South America so accurately? Why did he include a vast ocean west of America years before Europeans discovered the Pacific? These questions and more have remained unanswered for centuries.

The twelve separate sheets that make up the map are displayed in an airtight, aluminum and glass case that is filled with argon gas to prevent deterioration. Library officials are hopeful that their decision to publicly display the map will stimulate renewed interest among historians.

16. The best title for the passage is

(A) The Library of Congress
(B) Curious Visitors
(C) An Historical Map
(D) Historians Who Study Maps
(E) America the Beautiful

17. Which of the following questions is answered by the passage?

(A) Why is the case filled with argon gas?
(B) Where was the map discovered?
(C) Who was the mapmaker?
(D) When was the map discovered?
(E) How big is the map?

18. The passage suggests that

(A) most map visitors are European
(B) most map visitors are not historians
(C) argon gas is lethal, if inhaled
(D) many Library officials are historians
(E) South American spans two of the map's twelve sheets

19. Library of Congress officials likely displayed the map in order to

(A) increase ticket sales
(B) show off the airtight, glass case
(C) prevent its deterioration
(D) attract the interest of historians
(E) educate the public at large

20. The style of the passage is best described as

(A) dramatic
(B) mysterious
(C) poetic
(D) sarcastic
(E) informative

GO ON TO THE NEXT PAGE.

> Line
> (5)
>
> (10)
>
> (15)
>
> (20)

A small "adventure" cruise ship recently struck an iceberg in the frigid seas of the Antarctic. The collision compromised the structure of the vessel's hull, forcing passengers to scramble onto life rafts as the ship began to take on water and slowly lean to one side. Given the remoteness of the location and the subfreezing South-Pole temperatures, the situation looked grim. Luckily for those on board, however, three much larger cruise ships were touring in nearby waters and responded quickly to the distress signal emitted by the sinking vessel.

In the end, each of the 154 passengers was rescued without injury. Details of the incident were widely reported, with many accounts characterizing the outcome as miraculous. Several environmental groups, however, cited the incident as evidence of the growing popularity of so-called "adventure" cruises. They argued that increased boat traffic, without proper regulation, would likely result in future accidents that threaten the delicate ecosystem of the Antarctic.

21. It can be inferred from the passage that icebergs in the Antarctic are

(A) melting due to global warming
(B) not typically a threat to boats
(C) numerous in remote locations
(D) rare in remote locations
(E) sometimes difficult to detect

22. The word "grim" in line 8 means

(A) haphazard
(B) concerning
(C) hopeless
(D) frigid
(E) shocking

23. It can be inferred from the passage that

(A) the incident received significant media coverage
(B) environmental groups control certain media channels
(C) laws have recently been passed to regulate boat traffic in the Antarctic
(D) animal species in the Antarctic are rapidly becoming extinct
(E) adventure cruises that explore the Antarctic are expensive

24. According to the passage, what happens when a cruise ship begins to sink?

(A) Its crew and passengers panic.
(B) It sends out a distress signal.
(C) It irreversibly harms the ecosystem.
(D) It harms the adventure cruise industry.
(E) It leads to contradicting media reports.

25. Which of the following questions is NOT answered by the passage?

(A) How do cruise ship accidents threaten the ecosystem?
(B) Why are environmental groups concerned?
(C) Is the adventure cruise industry growing?
(D) How many passengers were rescued?
(E) Were any of the passengers hurt?

26. The main purpose of the passage is to

(A) argue a position
(B) highlight an issue
(C) decide a conflict
(D) solve a growing problem
(E) criticize a philosophy

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Every year, as winter approaches, fresh vegetables become more limited in much of the United States. This annual trend forces many Americans to turn to canned or frozen options during the cold winter months.

Line
(5)   Frozen vegetables are more nutritional than canned vegetables, which tend to lose a lot of nutrients during the preservation process. In fact, frozen produce may be more healthful than not only canned produce, but also the "fresh" produce that is sold in supermarkets during the

(10) winter months. How can it be, you may wonder, that frozen vegetables contain more healthful nutrients than their fresh counterparts just a few aisles away? According to researchers, unlike vegetables destine to be sold in fresh-produce

(15) aisles, vegetables chosen for freezing tend to be picked and processed at their peak ripeness, a time when they are most nutrient-packed. Fresh vegetables, in contrast, are often picked well before they are fully ripe.

---

27. According to the passage, during the winter months in much of the United States, frozen vegetables are

    (A) less nutrient-packed than canned vegetables
    (B) less nutrient-packed than fresh vegetables
    (C) more nutrient-packed than fresh vegetables
    (D) picked and processed before peak ripeness
    (E) shipped long distances to supermarkets

28. The word "produce" in line 7 means

    (A) groceries
    (B) vegetables
    (C) fruit
    (D) carrots
    (E) goods

29. The "aisles" referred to in line 13 are likely located in

    (A) a mosque
    (B) a parking lot
    (C) a grocery store
    (D) a warehouse
    (E) a clothing store

30. It can be inferred from the passage that vegetables

    (A) become more nutrient rich as they ripen
    (B) become less nutrient rich as they ripen
    (C) are always picked when fully ripe
    (D) are never picked when fully ripe
    (E) are more expensive during winter months

31. The passage can best be described as

    (A) instructional
    (B) spiritual
    (C) comprehensive
    (D) informative
    (E) promotional

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Friends and relatives consider me a patient person. I agree with them and regard myself as an *Line* individual who is especially calm *(5)* and collected when confronted with annoying situations or prickly personalities. Things that annoy most other people simply roll off my skin the way water rolls off the *(10)* feathers of a duck. Lately, however, I have not been my usual self. I'm easily rattled virtually every time I encounter an annoying situation.

Just last week, for example, my *(15)* friend Liz and I planned to meet at noon for lunch. Knowing that Liz is often late for appointments, I took my time walking over to the café. As I meandered along, however, I *(20)* suddenly became concerned that maybe, for once in her life, Liz would be punctual. I responded by quickening my pace and arriving on time. Liz, as you can imagine, was *(25)* nowhere to be seen.

When Liz finally arrived, I reacted more like an angry dog than an unruffled duck. My frustration was clear. "Oh Sarah, I'm always *(30)* late," offered Liz. Annoying!

32. The passage suggests that water rolls off the feathers of a duck with

    (A) difficulty
    (B) assistance
    (C) annoyance
    (D) effort
    (E) ease

33. The word "meandered" in line 19 means

    (A) jogged
    (B) hurried
    (C) strolled
    (D) limped
    (E) skipped

34. It can be inferred from the passage that the "Sarah" referred to in line 29 is

    (A) Liz's sister
    (B) a friend of the writer
    (C) a relative of the writer
    (D) the writer herself
    (E) an employee of the café

35. According to the passage, the writer's friend Liz

    (A) got lost on her way to the café
    (B) does not wear a watch
    (C) was not hungry for lunch
    (D) was late as usual
    (E) offered to pay for lunch

36. The passage suggests that

    (A) the writer is usually punctual
    (B) the writer is unemployed
    (C) the writer knows a lot about ducks
    (D) Liz often behaves like an angry dog
    (E) Liz and the writer were classmates in school

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> As a young boy growing up in a small East Coast town, Peter often played with classmates and other neighborhood friends
> *Line* after school. They had fabulous times
> *(5)* playing traditional games like stickball, basketball, football, and soccer. They also enjoyed their own "made-up" games that included *cross the river*, *chase*, and *boys against the girls*.
> *(10)*   Aside from loosing track of time and arriving home late for dinner most evenings, Peter's biggest problem, according to his mother, was that he habitually failed to change out of his school
> *(15)* clothes before "roughing it up" with his friends. Week after week, Peter would come home with grass stained knees, torn sleeves, and muddied shoes.
>   One evening Peter's mother had had
> *(20)* enough. "From now on, Peter, you will change your clothes right after school," she decreed. "Do you understand?!"

37. The passage suggests that Peter often lost track of time

    (A) doing homework
    (B) making up games
    (C) eating dinner
    (D) playing with his friends
    (E) napping after school

38. It can be inferred from the passage that Peter

    (A) played on many different teams
    (B) won most of the games he played
    (C) ate home-cooked meals most evenings
    (D) lived in a small house with his mother
    (E) did not view ruining clothes as his biggest problem

39. The word "decree" in line 22 means

    (A) yelled
    (B) ordered
    (C) laughed
    (D) stammered
    (E) whispered

40. The writer's attitude toward Peter can best be described as

    (A) disapproving
    (B) indifferent
    (C) critical
    (D) supportive
    (E) skeptical

STOP

IF YOU FINISH WITH TIME REMAINING,
YOU MAY GO BACK AND CHECK YOUR WORK ON
THIS SECTION ONLY.

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Section 4 – Math
25 Questions – 30 Minutes

USE THIS SPACE FOR FIGURING

1. $2,400 - 335 =$

(A)   2,035
(B)   2,055
(C)   2,065
(D)   2,155
(E)   2,165

2. If $N = -5$, then 2 more than twice N is equal to

(A) -14
(B) -12
(C) -8
(D) -6
(E)   12

3. If the perimeter of the polygon shown in Figure 1 is 28, what is the value of $a + b + c$?

(A)   12
(B)   14
(C)   16
(D)   18
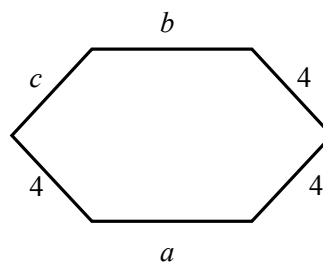(E)   It cannot be determined based on the information provided.

Figure 1

4. The product of 2 and a number is 22. What is the sum of the number and 2?

(A)   13
(B)   20
(C)   24
(D)   44
(E)   88

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5. According to the data represented in Figure 2, Mark's average hourly wage for the 5 years included in the graph was

   (A) $7.00
   (B) $7.30
   (C) $7.60
   (D) $8.20
   (E) $8.40
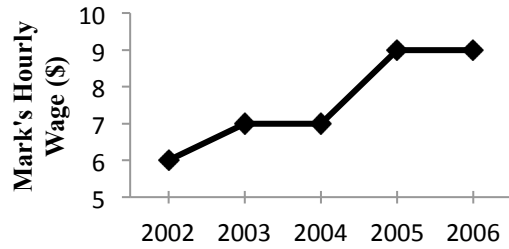
Figure 2

6. If $3 \times N \times 7 = 3$, then $N =$

   (A)   1

   (B) $\dfrac{1}{3}$

   (C) $\dfrac{1}{7}$

   (D)   0

   (E) -1

7. $\dfrac{1 + 2 + 3 + 4}{2 + 4 + 6 + 8} =$

   (A) $\dfrac{1}{2}$

   (B) $\dfrac{1}{3}$

   (C) $\dfrac{5}{12}$

   (D) $\dfrac{11}{20}$

   (E) $\dfrac{3}{5}$

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8. According to the circle graph in Figure 3, how many pens does Walter have?

(A) 4
(B) 5
(C) 6
(D) 10
(E) 15

Walter's 20 Writing Instruments
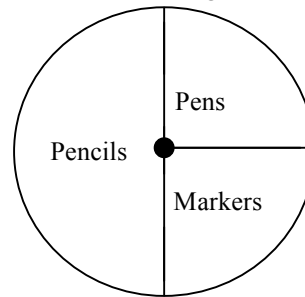
Figure 3

9. The air temperature at midnight was 6° below zero. If the air temperature increased 14° by noon, what was the air temperature at noon?

(A) 20° below zero
(B) 14° below zero
(C) 6° above zero
(D) 8° above zero
(E) 20° above zero

10. Min had 13 different dolls in her collection. Min's grandmother gave her 5 new dolls for her 10th birthday. Unfortunately, 2 were dolls that Min already had. How many different dolls did Min have in her collection after her grandmother's gift?

(A) 13
(B) 15
(C) 16
(D) 18
(E) 20

11. Of the following, which is closest to 20% of $12.85?

(A) $2.50
(B) $2.55
(C) $2.70
(D) $2.75
(E) $2.90

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Questions 12-14 refer to the following definition.

For all real numbers a and b, let
$a \leftrightarrow b = (a + b) \cdot (a - b)$. For example,
$5 \leftrightarrow 2 = (5 + 2) \cdot (5 - 2) = (7) \cdot (3) = 21$

12. $7 \leftrightarrow 4 =$

  (A)   11
  (B)   14
  (C)   28
  (D)   33
  (E)   47

13. If $N \leftrightarrow 2 = 12$, then $N =$

  (A)   6
  (B)   4
  (C)   3
  (D)   2
  (E)   0

14. If $a = b$, which of the following must be true

  I. $a \leftrightarrow b = b \leftrightarrow a$

  II. $b \leftrightarrow a = 0$

  III. $2a \leftrightarrow b = a \leftrightarrow 2b$

  (A)   I only
  (B)   II only
  (C)   I and III only
  (D)   I and II only
  (E)   I, II, and III

15. If the average of 5 consecutive whole numbers is
    11, what is the smallest number?

  (A)   7
  (B)   9
  (C)   10
  (D)   10.5
  (E)   11

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USE THIS SPACE FOR FIGURING

16. Which of the following shapes CANNOT be made using the two shapes shown in Figure 4?
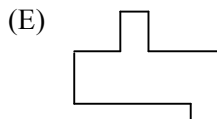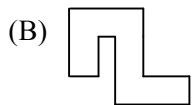
(A)

(D)

(B)

(E)

(C)
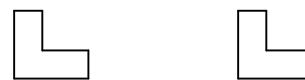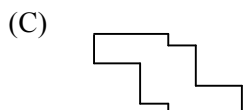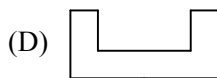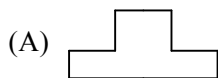

Figure 4

17. If $\frac{1}{4}N = 4$, then $\frac{1}{8}N =$

(A) 8
(B) 6
(C) 4
(D) 2
(E) 1

18. Tawana has exactly three times as many erasers as pencil sharpeners. Which of the following could be the number of erasers that Tawana has?

(A) 41
(B) 42
(C) 43
(D) 44
(E) 46

19. If 0.78 is approximately equal to $\frac{N}{10}$, then N is closest to which of the following

(A) 0.8
(B) 1.2
(C) 1.6
(D) 8
(E) 16

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20. In Figure 5, point *A* (not shown) is located on the circumference of the small circle with center *O* and radius 5, and point *B* (also not shown) is located on the circumference of the large circle with center *O* and radius 10. What is the greatest straight-line distance between points *A* and *B*?
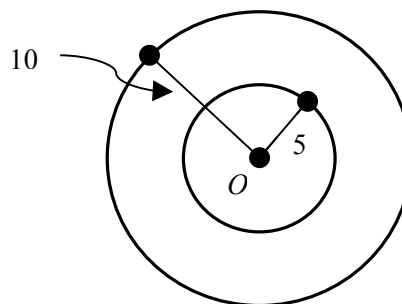
(A)   5
(B)   7.5
(C)   10
(D)   12.5
(E)   15

Figure 5

21. Bart read $\frac{1}{3}$ of a book in 45 minutes on a given day. He wants to finish the book by 8:15 p.m. the next day. If Bart always reads at the same rate, what is the latest he can begin reading on the day he wants to finish the book?

(A)   6:15 p.m.
(B)   6:30 p.m.
(C)   6:45 p.m.
(D)   7:00 p.m.
(E)   7:15 p.m.

22. The intersection of two distinct planes is always

(A)   a line
(B)   a point
(C)   a square
(D)   a circle
(E)   a triangle

23. When 16 is divided by *N*, the remainder is 1. How many different values could *N* be?

(A)   0
(B)   1
(C)   2
(D)   3
(E)   more than 3

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24. Figure 6 shows a piece of graph paper with a smiley face drawn on it. If the paper were folded along the dotted line, the eye labeled *A* would touch which of the other points shown?
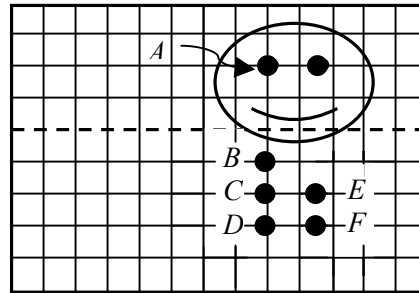
(A) B
(B) C
(C) D
(D) E
(E) F

Figure 6

25. In 2005, 2.6 million people watched the season finale of a certain television show. This number was 350,000 more than the number of people who watched the season finale of the same show in 2004. How many people watched the show's season finale in 2004?

(A) 2,950,000
(B) 2,350,000
(C) 2,250,000
(D) 2,150,000
(E) 1,950,000

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