

Section 1

Reading Comprehension (1–5)

A recent study by the Global Business Council found that organizations investing heavily in employee reskilling programs showed a 17% higher retention rate and a 23% improvement in innovation metrics compared to companies that did not. The findings suggest that reskilling is not merely an HR initiative but a strategic imperative. However, some critics argue that reskilling programs drain resources and often fail to align with immediate business needs. They point to instances where reskilled employees leave for competitors, taking their new skills with them. Proponents counter that such losses are outweighed by the long-term benefits of fostering a learning culture, which enhances adaptability in an unpredictable market.

1. What is the primary purpose of the passage?

- A) To criticize companies that invest heavily in reskilling
- B) To present findings supporting reskilling while acknowledging opposing views
- C) To argue that reskilling programs are a waste of resources
- D) To discuss research supporting reskilling while recognizing potential drawbacks
- E) To explain why companies lose employees to competitors

2. The critics mentioned in the passage are concerned primarily with:

- A) Lack of qualified trainers in reskilling programs
- B) The mismatch between reskilling and immediate business needs
- C) The high costs of technology adoption
- D) The inability to measure innovation
- E) The speed of technological change

3. Which of the following, if true, would strengthen the critics' argument?

- A) 70% of reskilled employees leave within a year
- B) Companies with reskilling programs grow faster than competitors
- C) Employees prefer training in leadership over technical skills
- D) Reskilling programs often receive industry awards
- E) Most companies lose reskilled employees to direct competitors within months

4. According to proponents, the most significant benefit of reskilling is:

- A) Higher salaries for employees
- B) Winning government contracts
- C) Creating a learning culture that fosters adaptability
- D) Reducing recruitment costs in the short term

E) Building short-term technical expertise

5. Which of the following can be inferred from the passage?

- A) Reskilling programs always produce immediate returns
- B) Organizations without reskilling programs are less innovative
- C) Employee retention is not influenced by reskilling
- D) Reskilling is effective only in the technology sector
- E) Reskilling programs are mandatory in most industries

Critical Reasoning (6-10)

6. Company X plans to replace in-person client meetings with virtual meetings to save on travel costs. However, market analysts predict that this change will lead to a decline in client satisfaction. Which of the following, if true, would most weaken the analysts' prediction?

- A) Clients of Company X have repeatedly expressed a preference for face-to-face interaction
- B) Competitors who adopted virtual meetings retained similar client satisfaction scores
- C) Virtual meetings require significant investment in new software
- D) Company X plans to lay off staff after implementing virtual meetings
- E) Virtual meetings are not permitted in some industries

7. An international clothing retailer claims that sourcing materials locally will improve brand image. Which of the following, if true, most strengthens this claim?

- A) Local sourcing will reduce production costs by 5%
- B) A recent consumer survey shows customers value sustainability and local sourcing highly
- C) Competitors have not adopted local sourcing
- D) Local sourcing practices have directly increased customer loyalty in similar brands
- E) Local sourcing requires more time for procurement

8. A city government decides to increase parking fees in the downtown area to reduce traffic congestion. Which assumption underlies this decision?

- A) Higher parking fees will discourage people from driving to the downtown area
- B) Public transport in the city is unreliable
- C) Local businesses support the increase in parking fees
- D) The city plans to use the extra revenue to build new parking garages
- E) Residents will accept the change without protest

9. A consulting firm reports that companies with flexible work schedules experience lower turnover. Which of the following, if true, would cast doubt on this finding?

- A) The sample of companies studied was too small
- B) Flexible work schedules are common in all industries
- C) Some companies with rigid schedules also have low turnover
- D) Flexible schedules can be implemented without increasing costs
- E) The sample only included companies in industries with historically low turnover

10. A start-up plans to double its marketing budget to increase market share. Which of the following, if true, most seriously weakens the start-up's plan?

- A) The company's competitors are cutting their marketing budgets
- B) The startup's products have poor customer reviews
- C) The startup recently launched a new advertising campaign
- D) Marketing costs in the industry have been declining
- E) The marketing team lacks experience

Sentence Completion (11-15)

11. Unlike many other CEOs, _____, Maria Lopez emphasizes long-term sustainability and ethical governance.

- A) who focus on quarterly profits
- B) whom focus on quarterly profits
- C) who focuses on quarterly profits
- D) which focus on quarterly profits
- E) which focuses on quarterly profits

12. The report recommends that the company reduce its waste output, implement energy-efficient technologies, _____.

- A) and investing in renewable energy sources
- B) and invest in renewable energy sources
- C) and to invest in renewable energy sources
- D) while investing in renewable energy sources
- E) and invested in renewable energy sources

13. Sales of electric vehicles have increased steadily, _____.

- A) they are still a small fraction
- B) but they are still a small fraction
- C) and they are still a small fraction
- D) although they remain a small fraction
- E) which is still a small fraction

14. The manager, along with her team members, _____ the leadership workshop next week.

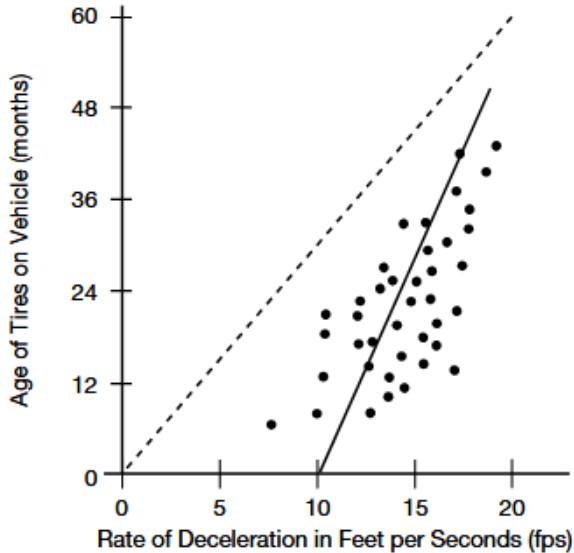
- A) are attending
- B) were attending
- C) is attending
- D) have attended
- E) attend

15. _____, production delays were inevitable.

- A) Because the company's supply chain was disrupted by the hurricane
- B) The hurricane disrupting the company's supply chain
- C) With the company's supply chain disrupted by the hurricane
- D) Having disrupted the company's supply chain by the hurricane
- E) Since the hurricane disrupted the company's supply chain

Section 2

The graph is a scatterplot with 40 points, each representing the results of a test conducted on a vehicle. During each test, the same vehicle and same set of tires was driven to a speed of 60 mph, and then the vehicle decelerated to a stop. The rate of deceleration for each test was measured. The solid line is the regression line and the dashed line is the line through points (0/0 fps) to point (60/20 fps). Fill in the blanks in each of the following statements based on the information given by the graph.



16. The relationship between the age of the tires on the vehicle and the rate of deceleration is

- A) positive.
- B) negative.
- C) zero.
- D) Infinite
- E) Indefinite

17. The slope of the regression line is _____ the slope of the dashed line.

- A) less than
- B) greater than
- C) equal to
- D) parallel to
- E) perpendicular to

A marathon runner's energy efficiency is C meters per calorie (C m/cal) when running at a rate of M meters per second (M m/s). In terms of the variables C and M , select the expression that best represents the number of calories used in one hour of running at a constant rate of M . Then, select the expression that represents the number of calories used in a 500-meter race while running at a constant rate of M .

18. Calories used in one hour:

- A) 500/M
- B) C/500
- C) M/500
- D) C/M
- E) M/C

19. Calories used in 500-meter race:

- A) 500/C
- B) C/500
- C) M/500
- D) C/M
- E) M/C

20. The following table shows the total number of fast-food restaurants and Type-2 diabetes statistics for six cities in the United States with similar square mileage and population size.

Town	Number of fast-food restaurants	% of reported children diagnosed with Type-2 diabetes under the age of 16	Overall % of population with Type-2 diabetes
Rockville	24	8	15
Medford	29	15	19
Pittsfield	21	5	7
Beaver Creek	37	19	23
Greene	40	20	25
Lewistown	28	7	7

Please tick which of the following CANNOT be inferred by the data represented in the table above?

- A) The city with the most fast-food restaurants will also have the highest overall occurrence of diabetes.
- B) The city with the highest percentage of children with Type-2 diabetes also has the highest number of adults with Type-2 diabetes.
- C) The more fast-food restaurants in a city, the more childhood diabetics it will have.
- D) Other factors besides fast-food restaurants, such as culture and economy, may influence a city's diabetic population.

Section 3

21. A store offers a 20% discount on a tool originally priced at \$50. If an additional 10% discount is applied to the sale price, what is the final price?

- A) \$36
- B) \$38
- C) \$40
- D) \$42
- E) \$45

22. If $3x + 5 = 20$, what is the value of $2x - 1$?

- A) 9
- B) 10
- C) 11
- D) 12
- E) 13

23. What is the value of x ?

(1) $2^x = 8$

(2) x is a positive integer.

- A) Statement (1) alone is sufficient, but statement (2) alone is not sufficient.
- B) Statement (2) alone is sufficient, but statement (1) alone is not sufficient.
- C) Both statements together are sufficient, but neither alone is sufficient.
- D) Each statement alone is sufficient.
- E) Statements (1) and (2) together are not sufficient.

24. What is the value of $x + y$?

(1) $2x + y = 5$

(2) $x - y = 1$

- A) Statement (1) alone is sufficient, but statement (2) alone is not sufficient.
- B) Statement (2) alone is sufficient, but statement (1) alone is not sufficient.
- C) Both statements together are sufficient, but neither alone is sufficient.

- D) Each statement alone is sufficient.
- E) Statements (1) and (2) together are not sufficient.

25. A conveyor belt revolves 240 meters in 4 minutes for 10 consecutive times. What is its average speed in meters per minute?

- A) 48
- B) 60
- C) 64
- D) 72
- E) 80

26. A mixture contains water and alcohol in the ratio 3:2. If 10 liters of water are added to the mixture, the new ratio becomes 2:1. How many liters of alcohol are in the original mixture?

- A) 4
- B) 6
- C) 8
- D) 20
- E) 12

27. What is the area of a rectangle?

- (1) The length of the rectangle is 8 units.
- (2) The perimeter of the rectangle is 20 units.

- A) 4
- B) 16
- C) 8
- D) 10
- E) 12

28. A train leaves a station at 8:00 AM and travels at 60 mph. Another train leaves the same station at 9:00 AM and travels at 80 mph on a parallel track. At what time will the second train catch up to the first?

- A) 10:00 AM
- B) 11:00 AM

C) 12:00 PM

D) 1:00 PM

E) 2:00 PM

29. A company sells its product at \$12 per unit. The fixed cost for its operation is \$250,000. The per unit cost is \$7 per unit. What is the sales quantity if the company aims to make a profit of \$120,000?

A) 50,000

B) 57,500

C) 73,667

D) 74,000

E) 82,889

30. A train traveling at 72 kmph crosses a platform in 30 seconds and a man standing on the platform in 18 seconds. What is the length of the platform in meters from the front end of platform to the point the man was standing?

A) 240

B) 360

C) 420

D) 600

E) Cannot be determined