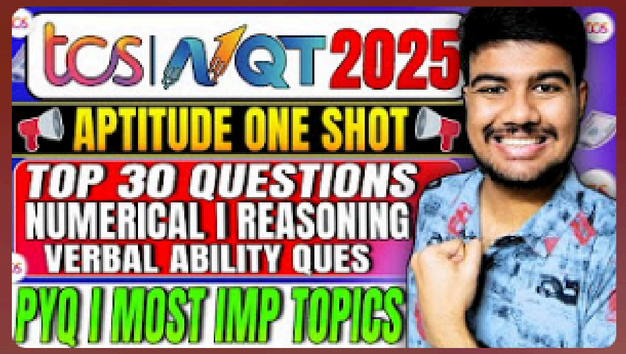
TCS NQT

2025

NUMERICAL ABILITY



TCS NQT 2025: Previous Year Questions & ...

by Prime Coding

Playlist • 3 videos • 899 views

Play all

1

🚀 TCS NQT 2025 Aptitude One Shot: Most Asked & PYQs Covered!

Prime Coding • 6.3K views • 3 days ago

2

🔥 TCS NQT 2025: Previous Year Aptitude Questions | Area & Mensuration one shot

Prime Coding • 2.1K views • 2 weeks ago

3

🔥 TCS NQT 2025: Must-Know Percentage Concepts in One Shot Video!

Prime Coding • 2.2K views • 2 weeks ago

Question: A shopkeeper offers a 20% discount on an item with a marked price of ₹500. What is the selling price of the item?

Options:

A) ₹400

B) ₹450

C) ₹480

D) ₹420

EXPLANATION

Discount = 20% of ₹500

$$\frac{20}{100} \times 500 = 100$$

Selling Price = Marked Price - Discount

$$500 - 100 = 400$$

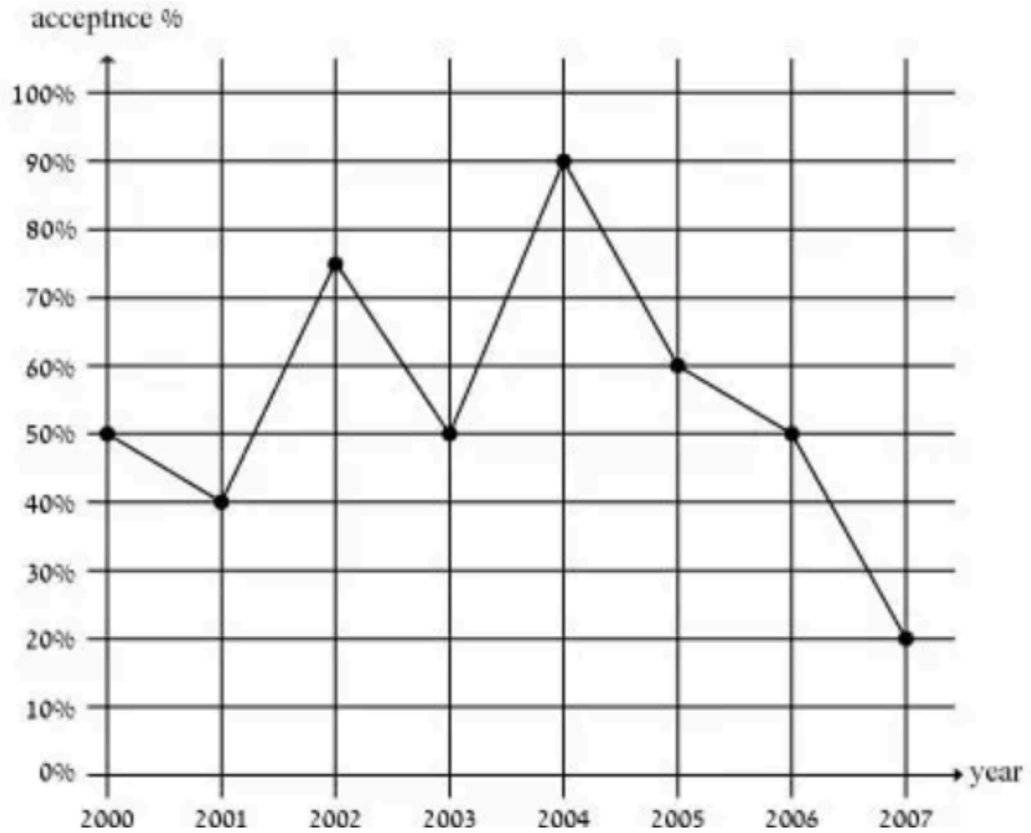
Question: Which of the following years had the highest percentage of people who were not accepted?

A) 2007

B) 2004

C)2002

D)2000



EXPLANATION

The Highest percentage of people who were NOT accepted is the same as the year that had the lowest percentage of people who were accepted, which according to the chart is 2007.

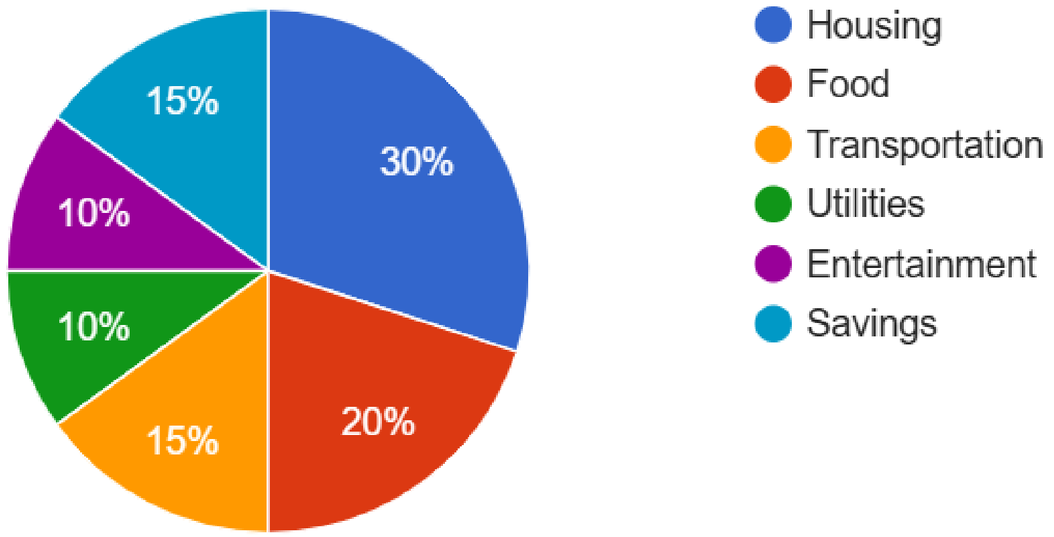
If the total budget is $500, how much money is allocated to Food?

a) $50

b) $75

c) $100

d) $150



EXPLANATION

20% of 500 is 100

The bar graph below represents the production (in thousands) of cars by four different companies (A, B, C, and D) in 2019 and 2020.

Company	2019 Production (in 1000s)	2020 Production (in 1000s)
A	240	300
B	180	210
C	200	250
D	160	180

Find the percentage increase in total production from 2019 to 2020.

Options:

A) 15%

B) 18.5%

C) 20.5%

D) 25%

EXPLANATION

Solution:

- **Total production in 2019 = 240+180+200+160=780**
- **Total production in 2020 = 300+210+250+180=940**
- **Percentage increase:**

$$\frac{(940-780)}{780} \times 100 = \frac{160}{780} \times 100 = 20.51\%$$

A boat can travel 36 km downstream in 3 hours and the same distance upstream in 6 hours. Find the speed of the boat in still water and the speed of the stream.

Options:

A) Boat: 9 km/h, Stream: 3 km/h

B) Boat: 12 km/h, Stream: 6 km/h

C) Boat: 10 km/h, Stream: 2 km/h

D) Boat: 8 km/h, Stream: 4 km/h

EXPLANATION

- **Downstream speed means the boat moves with the current → Speed = B+S**
- **Upstream speed means the boat moves against the current → Speed = B−S**

Using the given data:

- **Downstream: 36 km in 3 hours → Speed = 36/3=12 Km/h**
- **Upstream: 36 km in 6 hours → Speed = 36/6=6 km/h**

Now, solving for boat speed (B) and stream speed (S):

- **B+S=12**
- **B−S=6**

Adding both equations:

$$2B = 18 \Rightarrow B = 9 \text{ km/h}$$

Substituting $B = 9$:

$$9 + S = 12 \Rightarrow S = 3 \text{ km/h}$$

MASSIVE SUCCESS RATE

"Transform Your Interview Opportunity into an Offer Letter and Make Your Parents Proud!"

- In-depth Technical Mock
  - Crack coding challenges with real experts.
- HR & Managerial Prep
  - Master behavioral questions and impress Cognizant Interviewer.
- Full Interview Simulation
  - Ace both technical and HR in one session.
- Resume Review
  - Identify and fix weaknesses for a standout CV.
- Personalized Feedback & Expert Guidance
  - Tailored improvement tips to boost success.

www.primecoding.in

TCS NQT

2025

REASONING ABILITY

Question: Pointing to a man, Riya said, "He is the only son of my mother’s father’s only son." How is the man related to Riya?

Options:

A) Father

B) Brother

C) Uncle

D) Cousin

EXPLANATION

- "Mother’s father" = Riya’s maternal grandfather
- "Only son of my maternal grandfather" = Riya’s mother’s only brother (Riya’s maternal uncle)
- "Only son of my maternal uncle" = Riya’s uncle’s son (Riya’s cousin)

Question: Find the missing number in the series:
5, 11, 23, 47, 95, ?
Options:
A) 140
B) 191
C) 175
D) 185

EXPLANATION

$$5 \times 2 + 1 = 11$$

$$11 \times 2 + 1 = 23$$

$$23 \times 2 + 1 = 47$$

$$47 \times 2 + 1 = 95$$

$$95 \times 2 + 1 = 191$$

Question: A person walks 10 meters north, then turns right and walks 5 meters, then turns right again and walks 10 meters, and finally turns left and walks 10 meters. In which direction is he from the starting point?

Options:

A) East

B) West

C) South-East

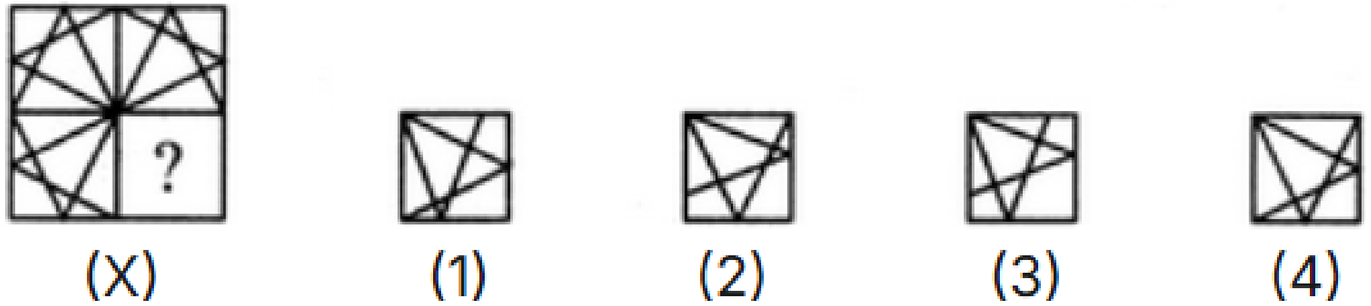
D) South-West

EXPLANATION

1. **The person walks 10 meters north and reaches (0,10).**
2. **Then, they turn right (east) and walk 5 meters, reaching (5,10).**
3. **Next, they turn right (south) and walk 10 meters, reaching (5,0), which is back to the same horizontal level as the starting point.**
4. **Finally, they turn left (east) and walk 10 meters, reaching (15,0).**

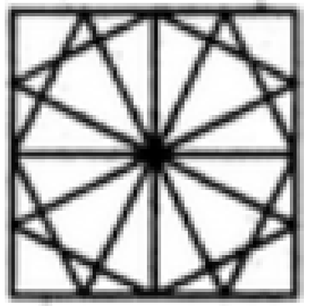
Since the person is now 15 meters east of the starting point, the correct answer is East.

Identify the figure that completes the pattern.



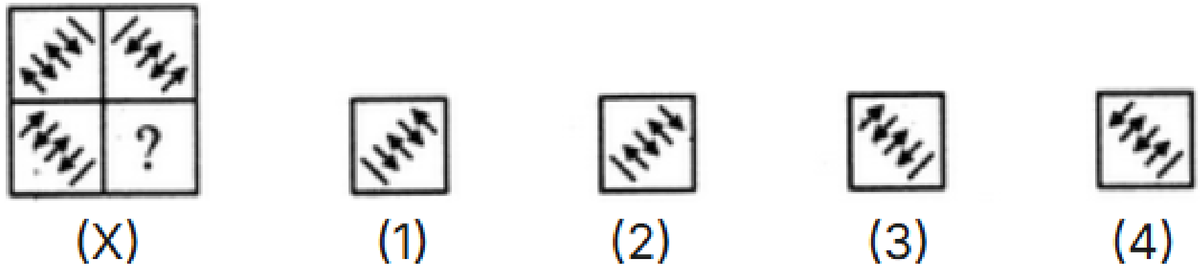
A) 1
B) 2
C) 3
D) 4

EXPLANATION



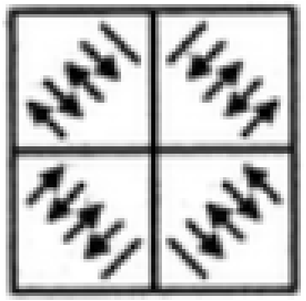
Answer: Option D

Identify the figure that completes the pattern.



A) 1
B) 2
C) 3
D) 4

EXPLANATION



Answer: Option A

TCS NQT

2025

VERBAL ABILITY

Read the passage carefully and select the best answer for each question.

Passage

The digital revolution has transformed how we access and consume information. Before the internet, knowledge was primarily stored in libraries and educational institutions, making it less accessible to the general public. Today, with just a few clicks, people can access vast repositories of information on virtually any topic. However, this ease of access has created new challenges. The abundance of unverified content has made distinguishing between reliable and unreliable sources increasingly difficult. Additionally, the algorithms that power search engines and social media platforms often create "filter bubbles" that limit exposure to diverse perspectives. As we continue to navigate this information landscape, developing critical thinking skills and digital literacy has become essential for making informed decisions in both personal and professional contexts.

Question 1

According to the passage, what was a limitation of pre-internet information access?

A) Information was completely unavailable to the public

B) Knowledge was concentrated in specific physical locations

C) People had better critical thinking skills

D) Digital literacy was not necessary

EXPLANATION

Answer: B) Knowledge was concentrated in specific physical locations

Explanation: The passage states that "Before the internet, knowledge was primarily stored in libraries and educational institutions, making it less accessible to the general public." This indicates that information was concentrated in specific physical locations, not that it was completely unavailable.

Question 2

The term "filter bubbles" in the passage refers to:

A) Technology that filters out unreliable information

B) Algorithms that restrict exposure to diverse viewpoints

C) Digital tools that improve information verification

D) Systems that organize library collections

EXPLANATION

Answer: B) Algorithms that restrict exposure to diverse viewpoints

Explanation: The passage explains that "algorithms that power search engines and social media platforms often create 'filter bubbles' that limit exposure to diverse perspectives." This directly defines filter bubbles as mechanisms that restrict viewpoint diversity.

Question 3

Which of the following challenges is NOT mentioned in the passage?

A) Difficulty distinguishing reliable from unreliable sources

B) Limited exposure to diverse perspectives

C) Increased cost of accessing information

D) Need for critical thinking skills

EXPLANATION

Answer: C) Increased cost of accessing information

Explanation: The passage mentions challenges related to verifying information reliability and limited exposure to diverse perspectives due to filter bubbles, as well as the need for critical thinking skills. However, it does not mention anything about increased costs of accessing information in the digital age.

Question 4

The main purpose of the passage is to:

A) Criticize the development of digital technology

B) Compare libraries with internet resources

C) Discuss how information access has changed and the resulting challenges

D) Promote specific digital literacy programs

EXPLANATION

Answer: C) Discuss how information access has changed and the resulting challenges

Explanation: The passage traces the transformation from pre-internet information access to current digital access, and then discusses both benefits (easier access) and challenges (verification issues, filter bubbles) that have resulted from this change.

Question 5

Based on the passage, which skill has become more important in the digital age?

A) Ability to memorize large amounts of information

B) Capacity to access physical libraries efficiently

C) Critical evaluation of information sources

D) Speed of reading and information processing

EXPLANATION

Answer: C) Critical evaluation of information sources

Explanation: The passage concludes by stating that "developing critical thinking skills and digital literacy has become essential," specifically in the context of distinguishing between reliable and unreliable sources in the abundance of available information.

TCS NQT

2025

NUMERICAL ABILITY

HOMEWORK QUESTIONS

If 3x + 7 = 22, what is the value of 5x - 4?

A) 21

B) 25

C) 19

D) 11

Answer: A) 21

A shop offers a 20% discount on all items. If an additional 10% discount is applied at checkout, what is the total percentage discount on the original price?

A) 30%

B) 28%

C) 32%

D) 27%

Answer: B) 28%

The average (arithmetic mean) of five consecutive integers is 27. What is the largest of these integers?

A) 29

B) 31

C) 27

D) 25

Answer: A) 29

A car travels 240 miles in 4 hours. If it continues at the same speed, how many more miles will it travel in the next 2.5 hours?

A) 150 miles

B) 160 miles

C) 120 miles

D) 140 miles

Answer: A) 150 miles

A rectangular garden has a length that is twice its width. If the perimeter of the garden is 60 meters, what is its area?

A) 200 square meters

B) 100 square meters

C) 150 square meters

D) 300 square meters

Answer: A) 200 square meters

TCS NQT

2025

REASONING ABILITY

HOMEWORK QUESTIONS

Question: Statements:

1. **All apples are fruits.**
2. **Some fruits are oranges.**

Conclusions:

I. Some oranges are apples.

II. Some fruits are apples.

Options:

A) Only Conclusion I follows

B) Only Conclusion II follows

C) Both I and II follow

D) Neither I nor II follows

B) Only Conclusion II follows

Question: Pointing to a woman, Rahul said, "She is the daughter of my grandfather’s only son." How is the woman related to Rahul?

Options:

A) Mother

B) Sister

C) Aunt

D) Cousin

Answer: B) Sister

Find the missing number in the series:
3, 9, 20, 37, 61, ?
Options:
A) 80
B) 85
C) 93
D) 101

Answer: C) 93

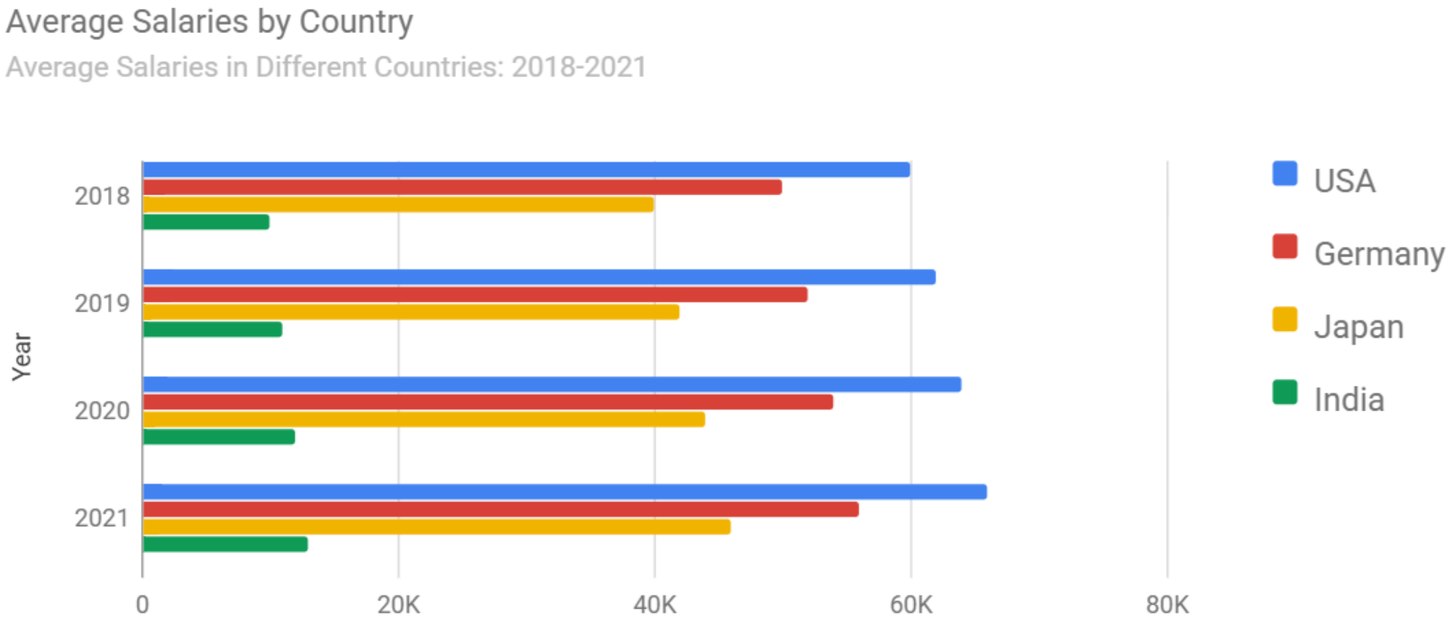
In which year did Germany have the lowest average salary?

a) 2018

b) 2019

c) 2020

d) 2021



a) 2018

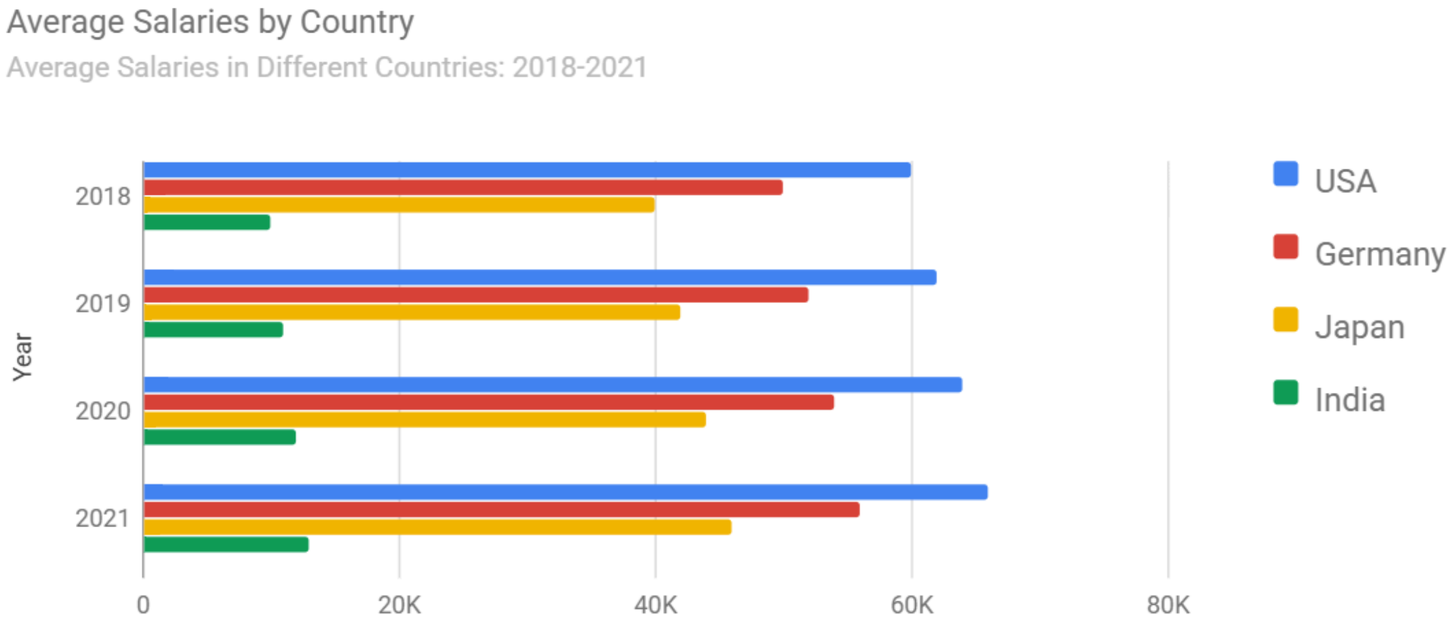
Which country had the highest average salary in 2021?

a) USA

b) Germany

c) Japan

d) None of the above



a) USA

TCS NQT 2025

VERBAL ABILITY

HOMEWORK QUESTIONS

BELOW IS A PARAGRAPH FOLLOWED BY QUESTIONS BASED ON ITS CONTENT. READ THE PASSAGE CAREFULLY AND SELECT THE BEST ANSWER FOR EACH QUESTION.

PASSAGE

HONEYBEES COMMUNICATE THE LOCATION OF FOOD SOURCES THROUGH AN INTRICATE DANCE LANGUAGE. WHEN A FORAGER BEE DISCOVERS NECTAR, IT RETURNS TO THE HIVE AND PERFORMS WHAT SCIENTISTS CALL A "WAGGLE DANCE." THE DURATION AND DIRECTION OF THIS DANCE PRECISELY INDICATE THE DISTANCE AND DIRECTION TO THE FOOD SOURCE. LONGER WAGGLE RUNS SIGNIFY GREATER DISTANCES, WHILE THE ANGLE OF THE DANCE RELATIVE TO GRAVITY CORRESPONDS TO THE ANGLE OF THE FOOD SOURCE RELATIVE TO THE SUN. OTHER WORKER BEES OBSERVE THIS PERFORMANCE AND INTERPRET THESE SIGNALS, ALLOWING THEM TO NAVIGATE EFFICIENTLY TO RESOURCES THEY'VE NEVER VISITED. THIS SOPHISTICATED COMMUNICATION SYSTEM ENABLES COLONIES TO RAPIDLY ADAPT TO CHANGING ENVIRONMENTAL CONDITIONS AND MAXIMIZE THEIR FORAGING EFFICIENCY ACROSS LARGE TERRITORIES.

QUESTION 1

WHAT IS THE PRIMARY PURPOSE OF THE "WAGGLE DANCE" PERFORMED BY HONEYBEES?

A) TO ATTRACT POTENTIAL MATES

B) TO COMMUNICATE FOOD SOURCE LOCATIONS

C) TO MARK TERRITORY WITHIN THE HIVE

D) TO EXERCISE AFTER LONG FLIGHTS

Answer: B) To communicate food source locations

Question 2

According to the passage, what does the duration of the waggle run indicate?

A) The quality of the nectar

B) The time of day to forage

C) The distance to the food source

D) The number of bees needed for collection

Answer: C) The distance to the food source

Question 3

How do honeybees communicate the direction to a food source?

A) Through releasing specific pheromones

B) By the angle of the dance relative to gravity

C) Through the speed of wing movements

D) By the number of other bees they recruit

Answer: B) By the angle of the dance relative to gravity

Question 4

What advantage does this communication system provide to honeybee colonies?

A) It prevents predators from finding the hive

B) It reduces competition with other insect species

C) It allows efficient adaptation to environmental changes

D) It eliminates the need for worker bees to leave the hive

Answer: C) It allows efficient adaptation to environmental changes

Question 5

Which of the following is NOT mentioned in the passage about honeybee communication?

A) The dance indicates both distance and direction

B) Bees can find food sources they haven't previously visited

C) The communication system involves observing other bees

D) Different species of bees use different types of dances

Answer: D) Different species of bees use different types of dances