

## Making Inferences

A rooster was looking for food when it came upon a sparkling jewel. Looking at the jewel, the rooster said, "If your owner had found you, he would have been delighted. But you are no good to me. I would rather have three pieces of corn than all the jewels in the world."

- A. Jewels look nice, but they have no real value.
- B. What is valuable to someone may be worthless to someone else.
- C. People often want objects that are not worth having.
- D. Animals have no way of knowing what is valuable and what is not.

One winter day, some ants spread out their grain to dry in the sun. A hungry grasshopper passed by and began begging for food. "Why didn't you get grain during the summer?" the ants asked.

"I didn't have time," the grasshopper answered. "I was busy singing."  
The ants laughed at the grasshopper. If you spend the summer singing, you will go hungry in the winter.

- A. Don't laugh at the mistakes of others.
- B. Grasshoppers eat more than ants.
- C. We should be kind to each other in time of need.
- D. You should not play when it is time to work.

A swallow and a crow got into an argument. Each claimed that its feathers were better. The swallow claimed that its feathers were more beautiful. Finally, the crow said, "Your feathers are fine in the spring, but they don't keep you warm in the winter. My feathers serve me well all the seasons of the year." Swallow had nothing to say after that.

- A. Birds of the same feather flock together.
- B. Birds are not a good judge of beauty.
- C. People judge beauty by what helps them the best.
- D. Usefulness is much more important than beauty.

## Drawing Conclusions

Inventions such as telephone and electric light are familiar, but others aren't so widely known. Did you know that a scientist in Massachusetts found a way to grow square ears of corn? Each ear has only four rows of kernels, but it won't roll off a plate or onto someone's lap. Another invention lets a person cook when there is no kitchen nearby.

This invention is a stove that's so small it can fit in a back pocket. It weighs only four ounces and uses small tablets of fuel. There's yet another invention you might not know about. It's a tennis racket that beeps whenever the ball is hit in the centre of the strings. That's the best place to hit the ball. The beep helps a player learn to strike the ball correctly time after time.

- A. Are hard to design
- B. Can help people get better jobs
- C. Are costly
- D. Are sometimes unusual

I slink out of the back door of my quiet house. Everyone is asleep but me. I love the night. I am on the prowl. But first I must make sure that I look my best. I use my rough tongue and paws to clean my face. Then I use my sharp eyes to look for mice. I would love a tasty treat to begin my adventurous evening. Suddenly, I see some movement behind a trash can. I silently tiptoe my way over and pounce on my prey. But oh no! This is not a mouse, it is a dog!

- A. A dog
- B. A cat
- C. A mouse
- D. A human

Grabbing a bag of tools, Mitsuko hopped out of her truck. She walked up to the door and rang the bell. "Am I glad to see you!" said the owner of the home. "Come on in, and I'll show you where the leak is. Mitsuko shut off the water. Then she took out the rusty pipe and put in a new one. The leak was fixed.

- A. Plumber
- B. Carpenter
- C. Salesperson
- D. TV repair person

## Verbal Analogy

ANCESTOR is to DESCENDANT as ORIGIN is to \_\_\_\_\_

- A. Outcome
- B. Beginning
- C. Beginning
- D. Basis
- E. Start
- F. Rise

FRIEND is to COMRADE as OPPONENT is to \_\_\_\_\_

- A. Challenger
- B. Teammate
- C. Football
- D. Game
- E. Sports

Big is to enormous as cold is to \_\_\_\_\_

- A. Freezing
- B. Ice
- C. Shiver
- D. Chilly
- E. Hot

## Classification

The first 3 words in each question are **alike(same)** in some way. Choose one word from the options that goes with the first 3 words in the same way.

<b>Cautious</b>	<b>Careful</b>	<b>Watchful</b>	—
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- A. Alert
- B. Hasty
- C. Reckless
- D. Rash
- E. Imprudent

<b>Genuine</b>	<b>Veritable</b>	<b>Bona fide</b>	—
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- A. Fake
- B. Authentic
- C. Fantastic
- D. Business
- E. Unreal

<b>Single</b>	<b>Solo</b>	<b>Solitary</b>	—
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- A. Two
- B. Duo
- C. Together

- D. Alone
- E. Group

## Compare & Contrast

Directions: Read the two sentences in each problem. If the sentences mean the same thing, choose **Same** else choose **Different**.

Mathew refuses to drive when the fog is thick.

Until the fog is thick, Mathew refuses to drive.

- A. Same
- B. Different

The length of the child's foot showed she would be a tall adult.

The child's foot was as long as an adult's.

- A. Same
- B. Different

Do not turn the dial higher than 4 unless the temperature gauge in the refrigerator reads warmer than 40 degrees.

If the temperature gauge in the refrigerator reads 41 degrees or more, turn the dial up past 4.

- A. Same
- B. Different

## Coding- Decoding

Find the rule with which the code is formed and solve the questions given to you.

If in a certain code, CHICKEN is written as 1231567, how can HClKCNE be written as?

- A. 2135176
- B. 2153176
- C. 2135167
- D. 2151376

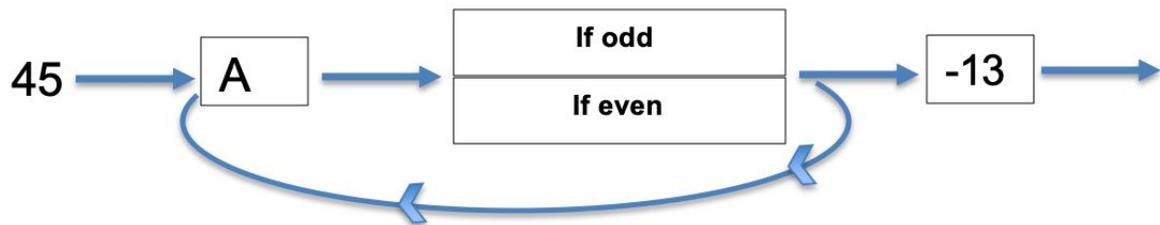
If in a certain code, TIP is written as UJQ, what will FOUR be written as?

- A. GPVS
- B. GMWT
- C. GPWS
- D. GMVS

If in a certain code  $D+E+F=15$ , What is  $U+V+W =?$

- A. 56
- B. 66
- C. 45
- D. 40

## Algorithmic Thinking



If A is “adding” 7, what is the output

- A. 39
- B. 46
- C. 65
- D. 32

Instead A is “subtracting” 7, what is the output

- A. 18
- B. 25
- C. 46
- D. 39

If A is multiplying with 10, what is the output

- A. 450
- B. 4500
- C. 45000
- D. None of the above/uncertain

## Inductive & Deductive Reasoning

My dog is black in color.

My neighbor's dog is brown in color.

My cousin's dog is white in color.

**So, dogs come in different colors?**

- A. Probably true
- B. Probably false
- C. Definitely false
- D. Definitely true

Not all the players in the football team are good.

Riya is a part of the football team.

Riya is a good player.

- A. Yes
- B. No
- C. Uncertain**

Read the following clues

1. The Tallest boy is a friend of Bharath and Keshav.
2. Tarun is shorter than the other three boys.
3. Bharath is taller than Tarun and Keshav.

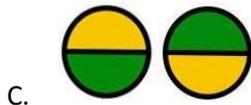
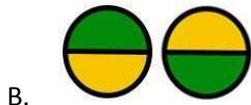
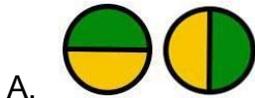
Who is the shortest of all the boys?

- A. Bharath
- B. Tarun
- C. Keshav
- D. Baldev

## Identifying Pattern

Continue the pattern by choosing the right option.

Identify the pattern and choose the 9th and 11th shapes.



Continue the pattern by choosing the right option.

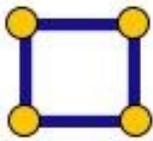


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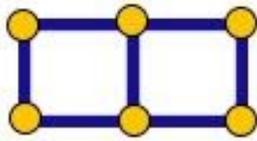
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D.

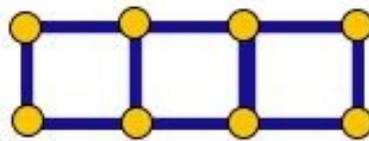
Observe the straight lines and dots as they form a pattern.



Stage 1



Stage 2

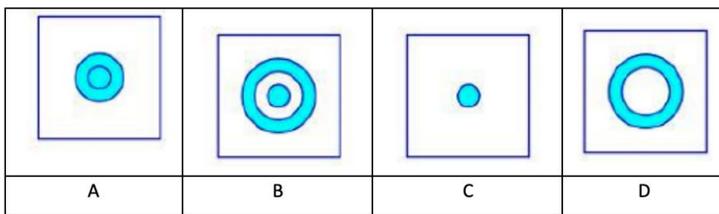
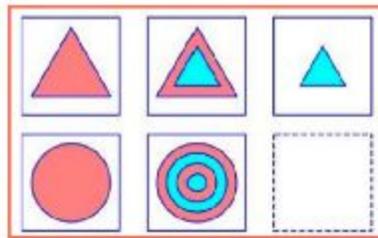
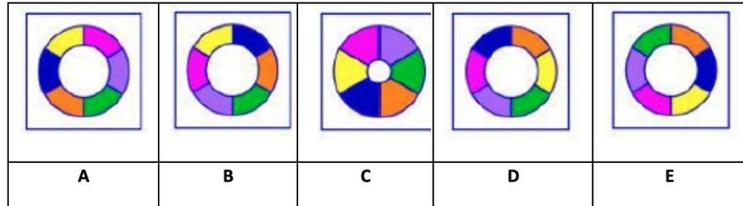
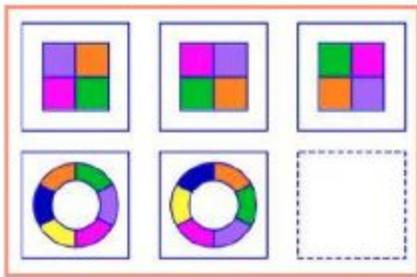


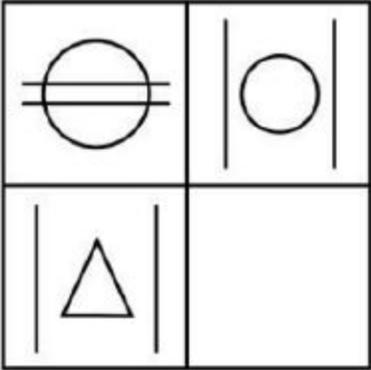
Stage 3

How many straight lines form stage 5?

- A. 25
- B. 15
- C. 20
- D. 16

# Visual Analogies





### Numeric Patterns

Find the next term in the series  
12, 25, 51, 103, 207

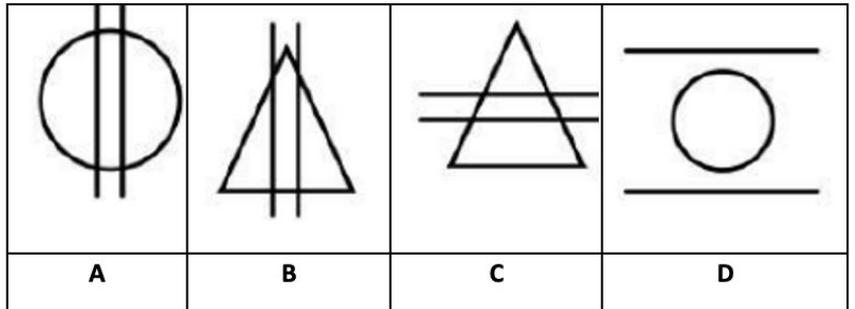
- A. 311
- B. 411
- C. 415
- D. 414

In the series find the value of x  
14, 69, 15, 73, 16, 77, 17, x

- A. 81
- B. 88
- C. 86
- D. 83

In the series find the value of x and y  
43, 90, 34, 79, 25, 68, x, y

- A. 17 and 53
- B. 16 and 57
- C. 16 and 54



D. 16 and 58

### Estimation

### Equations

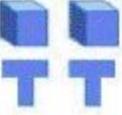
In an equation, the **equals sign** is placed between two (or more) expressions that have **the same value**.

Using the equations given, figure out how certain shapes are equal to each other. Then, choose one answer that is equal to the shapes given in the question.



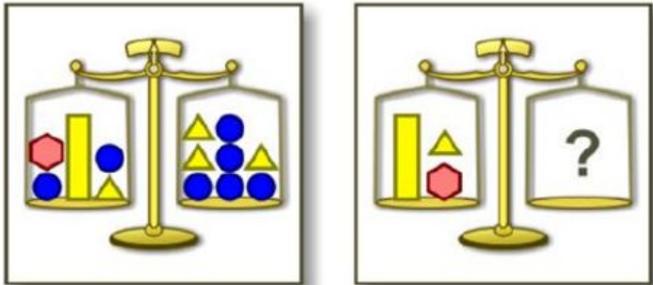

Then

Is equal to?

A		C	
B		D	

On the left, a balanced scale is shown.

Based on that, what can be filled in place of the question mark to balance the scale on the right?

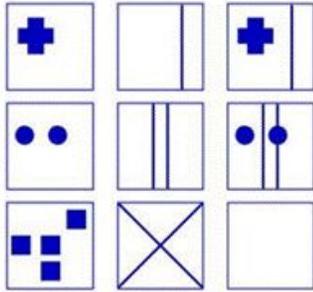


A		C	
B		D	



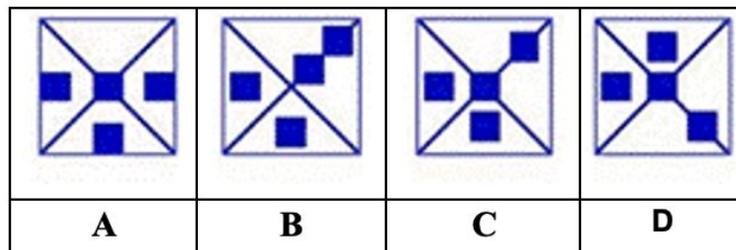
A		C	
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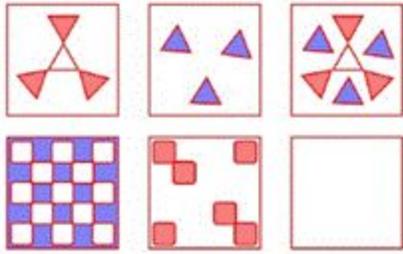
B		D	
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### Spatial Visualisation

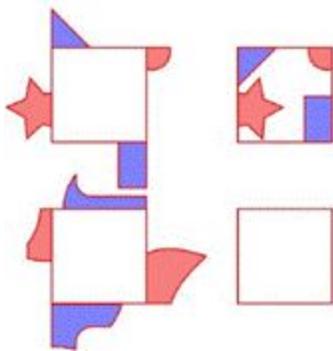
Look at the pictures on top. If you combine the first two, it would look like the third picture. Can you find the answer that shows what the two pictures in the bottom row will look like after they are combined?





<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>

On the top row, you will see how a square piece of paper is folded. Choose the answer in the second row that shows how the folded piece of paper would look when folded.



<b>A</b>		<b>B</b>		<b>C</b>		<b>D</b>		<b>E</b>	
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## Data Sufficiency

If the first 2 statements are correct, is the third statement correct?

All spiders are arachnids.

Tarantula is a spider.

So, it is an arachnid.

- A. Yes
- B. No
- C. Cannot say

If all the first statements are true, is the final statement also true?

The black watch states the time as 14:40.

The blue watch displays the same time as the gold watch.

The grey watch is small in size.

The gold watch is ten minutes slower than the black watch.

The grey watch is five minutes faster than the blue watch.

The blue watch displays the time 14:50.

- A. True
- B. False
- C. Insufficient Information

### Estimation

An article published said that 4 out of 8 people buy dairy milk over milky bar. Estimate the number of people who buy dairy milk if the number of people given is 400.

- A. 100
- B. 200
- C. 150
- D. 300

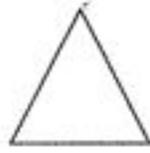
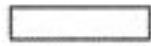
A 100 Square feet room can accommodate 5 people. Estimate how many can a 250 Square feet room seat

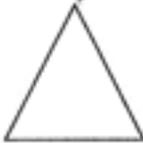
- A. 10
- B. 12
- C. 14
- D. 15

Use estimation to answer this question.

**Perimeter** is defined as the total length around the edge of a figure.

Which of the following figures has the longest **perimeter**?



A		B		C		D	
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