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Logical Reasoning Tricks and Techniques for
Exam: IAS, PCS, UPSC, Bank PO, NDA, RRB, SSC, Indian Air Force, Etc.

Verbal Reasoning: Analogy(English)

Q1. 12 : 3 :: ? : 4

Solution 1 (Normal Method):
The relationship between the first pair is that 12 is divisible by 3, resulting in 4. Similarly, we need to find a number that is divisible by 4 to get the missing number. Dividing 4 by 4 gives us 1.

Solution 2 (Super Short):
Second numbers multiply (3 x 4 = 12). Need a multiple of 4. Only 16 fits.
Answer:
16 (Both Solution 1 and 2 lead to the same answer)

Q2. 25 : 5 :: ? : 2

Solution 1 (Normal Method):
The relationship between the first pair is that 25 is divisible by 5, resulting in 5. Similarly, we need to find a number that is divisible by 2 to get the missing number. Dividing 2 by 2 gives us 1.

Solution 2 (Super Short):
Second numbers divide (25 ÷ 5 = 5). Need a quotient of 2. Only 10 fits.
Answer:
10 (Both Solution 1 and 2 lead to the same answer)

Q3. 16 : 4 :: ? : 8

Solution 1 (Normal Method):
The relationship between the first pair is that 16 is divided by 4, resulting in 4. Similarly, we need to find a number that is divided by 8 to get the missing number. Dividing 8 by 8 gives us 1.

Solution 2 (Super Short):
First numbers divide (16 ÷ 4 = 4). Need a quotient of 8. Only 32 fits.
Answer:
32 (Both Solution 1 and 2 lead to the same answer)

Q4. 36 : 6 :: ? : 3

Solution 1 (Normal Method):
The relationship between the first pair is that 36 is divisible by 6, resulting in 6. Similarly, we need to find a number that is divisible by 3 to get the missing number. Dividing 3 by 3 gives us 1.

Solution 2 (Super Short):
First numbers divide (36 ÷ 6 = 6). Need a quotient of 3. Only 18 fits.
Answer:

18 (Both Solution 1 and 2 lead to the same answer)

Q5. 49 : 7 :: ? : 5

Solution 1 (Normal Method):
The relationship between the first pair is that 49 is divisible by 7, resulting in 7. Similarly, we need to find a number that is divisible by 5 to get the missing number. Dividing 5 by 5 gives us 1.

Solution 2 (Super Short):
First numbers divide ($49 \div 7 = 7$). Need a quotient of 5. Only 35 fits.
Answer:
35 (Both Solution 1 and 2 lead to the same answer)

Q6. 64 : 8 :: ? : 2

Solution 1 (Normal Method):
The relationship between the first pair is that 64 is divisible by 8, resulting in 8. Similarly, we need to find a number that is divisible by 2 to get the missing number. Dividing 2 by 2 gives us 1.

Solution 2 (Super Short):
First numbers divide ($64 \div 8 = 8$). Need a quotient of 2. Only 16 fits.
Answer:
16 (Both Solution 1 and 2 lead to the same answer)

Q7. 81 : 9 :: ? : 3

Solution 1 (Normal Method):
The relationship between the first pair is that 81 is divisible by 9, resulting in 9. Similarly, we need to find a number that is divisible by 3 to get the missing number. Dividing 3 by 3 gives us 1.

Solution 2 (Super Short):
First numbers divide ($81 \div 9 = 9$). Need a quotient of 3. Only 27 fits.
Answer:
27 (Both Solution 1 and 2 lead to the same answer)

Q8. 100 : 10 :: ? : 5

Solution 1 (Normal Method):
The relationship between the first pair is that 100 is divisible by 10, resulting in 10. Similarly, we need to find a number that is divisible by 5 to get the missing number. Dividing 5 by 5 gives us 1.

Solution 2 (Super Short):
First numbers divide ($100 \div 10 = 10$). Need a quotient of 5. Only 25 fits.
Answer:

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25 (Both Solution 1 and 2 lead to the same answer)

Q9. 144 : 12 :: ? : 6

Solution 1 (Normal Method):
The relationship between the first pair is that 144 is divisible by 12, resulting in 12. Similarly, we need to find a number that is divisible by 6 to get the missing number. Dividing 6 by 6 gives us 1.

Solution 2 (Super Short):
First numbers divide (144 ÷ 12 = 12). Need a quotient of 6. Only 72 fits.
Answer:
72 (Both Solution 1 and 2 lead to the same answer)

Q10. 225 : 15 :: ? : 5

Solution 1 (Normal Method):
The relationship between the first pair is that 225 is divisible by 15, resulting in 15. Similarly, we need to find a number that is divisible by 5 to get the missing number. Dividing 5 by 5 gives us 1.

Solution 2 (Super Short):
First numbers divide (225 ÷ 15 = 15). Need a quotient of 5. Only 75 fits.
Answer:
75 (Both Solution 1 and 2 lead to the same answer)

Q11. Clock : Time :: Calendar : ?

Solution 1:
A clock displays the current time, and a calendar shows the current date. Both represent a system for keeping track of specific units within a larger concept (time for clock, date within a year for calendar).

Solution 2 (Short):
Clock shows "now" in time. Calendar shows "now" in dates. Need something for dates. Only "Year" fits.
Answer: Year

Q12. Doctor : Patient :: Lawyer : ?

Solution 1:
A doctor diagnoses and treats a patient's illness. A lawyer represents and defends a client facing legal issues. Both act as professional advisors in specific situations.

Solution 2 (Short):
Doctor helps patients, Lawyer helps with legal issues. Need someone with legal issues. Only "Client" fits.
Answer: Client

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Q13. Map : Location :: Key : ?

Solution 1:
A map helps locate a specific place. A key allows access to a specific location (a lock). Both provide a means to identify and reach a particular destination.

Solution 2 (Short):
Map shows location, Key opens location. Need something opened. Only "Lock" fits.
Answer: Lock

Q14. Smoke : Fire :: Bubble : ?

Solution 1:
Smoke is a common indicator of fire. Bubbles are often associated with water or soap. Both are physical signs that point towards the presence of something else.

Solution 2 (Short):
Smoke shows fire, Bubble shows presence of something (water/soap). Need something present. Only "Liquid" fits (water/soap are liquids).
Answer: Liquid

Q15. Net : Fish :: Trap : ?

Solution 1:
A net is used to catch fish. A trap is used to capture animals. Both are tools employed for capturing something specific.

Solution 2 (Short):
Net catches fish, Trap catches animals. Need something caught. Only "Animal" fits.
Answer: Animal

Q16. Book : Pages :: Tree : ?

Solution 1:
A book is made up of pages. A tree is composed of branches. Both are divided into smaller, similar units that make up the whole.

Solution 2 (Short):
Book has pages, Tree has branches (smaller units). Need smaller units of a tree. Only "Branch" fits.

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Q17. Teacher : Student :: Coach : ?

Solution 1:
A teacher instructs and guides students in learning. A coach trains and motivates athletes. Both provide guidance and support to help someone improve in a specific area.

Solution 2 (Short):
Teacher guides students, Coach guides athletes. Need someone guided. Only "Athlete" fits.

Q18. Sun: Day::Moon:?

Solution 1:
The sun illuminates the day. The moon illuminates the night. Both celestial bodies are associated with specific times of the day.

Solution 2 (Short):
Sun lights the day, Moon lights the night. Need something lit by the moon. Only "Night" fits.

Q19. Hammer: Nail:: Saw:?

Solution 1:
A hammer drives nails into a surface. A saw cuts through wood or other materials. Both are tools used for construction or modification.

Solution 2 (Short):
Hammer works with nails, Saw cuts something. Need something cut. Only "Wood" fits (common material saw cuts).

Q20. Password:Access::Key:?

Solution 1:
A password provides access to a digital system. A key unlocks a physical door. Both serve as a means of authorization to enter a secured location.

Solution 2 (Short):
Password allows access, Key unlocks something. Need something unlocked. Only "Door" fits.

Q21. Air : Breathe :: Water : ?

Solution 1: (Normal Method):
Air is essential for breathing; it provides oxygen to sustain life. Similarly, water is essential for drinking; it provides hydration necessary for bodily functions.

Solution 2 (Super Short):

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Breathe air, drink water.
Answer:

Drink (Both Solution 1 and 2 lead to the same answer)

Q22. Tree : Bark :: Human : ?
Solution 1: (Normal Method):
Trees are characterized by their bark, which serves as a protective layer. Similarly, humans are characterized by their skin, which serves as a protective barrier for internal organs.

Solution 2 (Super Short):
Trees have bark, humans have skin.
Answer:
Skin (Both Solution 1 and 2 lead to the same answer)

Q23. Clock : Time :: Thermometer : ?
Solution 1: (Normal Method):
Clocks are instruments used to measure and indicate time. Similarly, thermometers are instruments used to measure and indicate temperature.

Solution 2 (Super Short):
Clocks for time, thermometers for temperature.

Q21. Air : Breathe :: Water : ?
Solution 1: (Normal Method):
Air is essential for breathing; it provides oxygen to sustain life. Similarly, water is essential for drinking; it provides hydration necessary for bodily functions.

Solution 2 (Super Short):
Breathe air, drink water.
Answer: Drink (Both Solution 1 and 2 lead to the same answer)

Q22. Tree : Bark :: Human : ?
Solution 1: (Normal Method):
Trees are characterized by their bark, which serves as a protective layer. Similarly, humans are characterized by their skin, which serves as a protective barrier for internal organs.

Solution 2 (Super Short):
Trees have bark, humans have skin.
Answer:

Skin (Both Solution 1 and 2 lead to the same answer)

Q23. Clock : Time :: Thermometer : ?

Solution 1: (Normal Method):
Clocks are instruments used to measure and indicate time. Similarly, thermometers are instruments used to measure and indicate temperature.

Solution 2 (Super Short):
Clocks for time, thermometers for temperature.
Answer:
Temperature (Both Solution 1 and 2 lead to the same answer)

Q24. Dog : Kennel :: Bee : ?

Solution 1 (Normal Method):
Dogs are often housed in kennels, which serve as their shelter or home. Similarly, bees are often housed in hives, which serve as their colonies and shelter.

Solution 2 (Super Short):
Dogs in kennels, bees in hives.
Answer:
Hive (Both Solution 1 and 2 lead to the same answer)

Q25. Seed : Plant :: Idea : ?

Solution 1 (Normal Method):
Seeds germinate and grow into plants. Similarly, ideas develop and materialize into actions or innovations.

Solution 2 (Super Short):
Seeds to plants, ideas to actions.
Answer:
Action (Both Solution 1 and 2 lead to the same answer)

Q26. Book : Read :: Movie : ?

Solution 1 (Normal Method):
Books are read for enjoyment or to gain knowledge. Similarly, movies are watched for entertainment or to experience a story visually.

Solution 2 (Super Short):
Read books, watch movies.
Answer:
Watch (Both Solution 1 and 2 lead to the same answer)

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Q27. Car : Fuel :: Body : ?

Solution 1 (Normal Method):
Cars require fuel to operate and move. Similarly, the human body requires food as fuel to sustain energy and function.

Solution 2 (Super Short):
Cars need fuel, bodies need food.
Answer:
Food (Both Solution 1 and 2 lead to the same answer)

Q28. Ship : Captain :: Plane : ?

Solution 1 (Normal Method):
A ship is typically commanded by a captain who oversees its operations. Similarly, a plane is typically piloted by a pilot who controls its flight.

Solution 2 (Super Short):
Captain for ships, pilot for planes.
Answer:
Pilot (Both Solution 1 and 2 lead to the same answer)

Q29. Artist : Paint :: Musician : ?

Solution 1 (Normal Method):
An artist expresses creativity through painting. Similarly, a musician expresses creativity through composing or playing music.

Solution 2 (Super Short):
Artists paint, musicians play.
Answer:
Play (Both Solution 1 and 2 lead to the same answer)

Q30. Guitar : Strings :: Drum : ?

Solution 1 (Normal Method):
A guitar produces sound through vibrating strings. Similarly, a drum produces sound through striking its surface, typically with drumsticks or hands.

Solution 2 (Super Short):
Guitars have strings, drums are struck.
Answer:
Strike (Both Solution 1 and 2 lead to the same answer)

Q31. Tree : Trunk :: House : ?

Solution 1 (Normal Method):
A tree has a trunk, which serves as its main support structure, providing stability and nutrients to the tree. Similarly, a house has a foundation, which serves as its main structural support, anchoring it to the ground and providing stability.

Solution 2 (Super Short):
Trees have trunks, houses have foundations.
Answer:
Foundation (Both Solution 1 and 2 lead to the same answer)

Q32. Sun : Day :: Moon : ?

Solution 1 (Normal Method):
The sun is visible during the day, providing light and warmth. Similarly, the moon is visible during the night, illuminating the sky with its reflected sunlight.

Solution 2 (Super Short):
Sun for day, moon for night.
Answer:
Night (Both Solution 1 and 2 lead to the same answer)

Q33. Paper : Write :: Scissors : ?

Solution 1 (Normal Method):
Paper is used for writing. Similarly, scissors are used for cutting various materials such as paper, cloth, or hair.

Solution 2 (Super Short):
Write on paper, cut with scissors.
Answer:
Cut (Both Solution 1 and 2 lead to the same answer)

Q34. Map : Navigate :: Compass : ?

Solution 1 (Normal Method):
A map is used to navigate and find directions. Similarly, a compass is used for navigation, indicating the cardinal directions (north, south, east, west).

Solution 2 (Super Short):
Maps for navigation, compass for direction.
Answer:
Direction (Both Solution 1 and 2 lead to the same answer)

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Q35. Seed : Flower :: Egg : ?

Solution 1 (Normal Method):
A seed grows into a flower. Similarly, an egg hatches into a bird or reptile.

Solution 2 (Super Short):
Seeds to flowers, eggs to birds.
Answer:
Bird (Both Solution 1 and 2 lead to the same answer)

Q36. Pen : Ink :: Pencil : ?

Solution 1 (Normal Method):
A pen uses ink to write. Similarly, a pencil uses graphite or lead to write or draw.

Solution 2 (Super Short):
Pens with ink, pencils with graphite.
Answer:
Graphite (Both Solution 1 and 2 lead to the same answer)

Q37. Spoon : Stir :: Fork : ?

Solution 1 (Normal Method):

A spoon is used for stirring liquids or mixing ingredients. Similarly, a fork is used for picking up and holding food, particularly solid or semi-solid items.

Solution 2 (Super Short):
Stir with spoon, pick with fork.
Answer:
Pick (Both Solution 1 and 2 lead to the same answer)

Q38. Rain : Umbrella :: Sun : ?

Solution 1 (Normal Method):
An umbrella is used to shield oneself from rain. Similarly, sunscreen or sunglasses are used to protect oneself from the sun's rays.

Solution 2 (Super Short):
Umbrellas for rain, sunscreen for sun.
Answer:
Sunscreen (Both Solution 1 and 2 lead to the same answer)

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Q39. Swim : Water :: Fly : ?

Solution 1 (Normal Method):
Swimming is done in water. Similarly, flying is done in the air or sky.

Solution 2 (Super Short):
Swim in water, fly in air.
Answer:
Air (Both Solution 1 and 2 lead to the same answer)

Q40. Tree: Leaves :: Human : ?

Solution 1 (Normal Method):
Trees have leaves, which are their primary structures for photosynthesis and respiration. Similarly, humans have lungs, which are their primary organs for respiration and oxygen exchange.

Solution 2 (Super Short):
Trees have leaves, humans have lungs.
Answer:
Lungs (Both Solution 1 and 2 lead to the same answer)