

NSTSE Class 4 Question Paper 2016 Part 1

1. Identify the shape based on the description given.

- 2 pairs of equal sides
- 4 pairs of perpendicular lines

Image Shows Description About Shape

(A) A square

(B) A parallelogram

(C) A triangle

(D) A rectangle

2. Which digit is in the hundreds place of the sum of the first five common multiples of 4 and 8?

(A) 2

(B) 0

(C) 4

(D) 1

3. Mona spent $\frac{2}{3}$ of her savings on a handbag and $\frac{3}{4}$ of the remainder on a book. What fraction of her savings had she left?

(A) $\frac{1}{12}$

(B) $\frac{1}{6}$

(C) $\frac{1}{3}$

(D) $\frac{1}{4}$

4. Find the difference obtained when the sum of 3982 and 6853 is subtracted from 35000.

(A) 31018

(B) 24165

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(C) 37861

(D) 10835

5. Find the simplest form of the sum of $\frac{4}{18}$ and $\frac{4}{9}$.

(A) $\frac{12}{18}$

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

(C) $\frac{8}{18}$

(D) $\frac{2}{6}$

6. Which option has exactly two lines of symmetry?

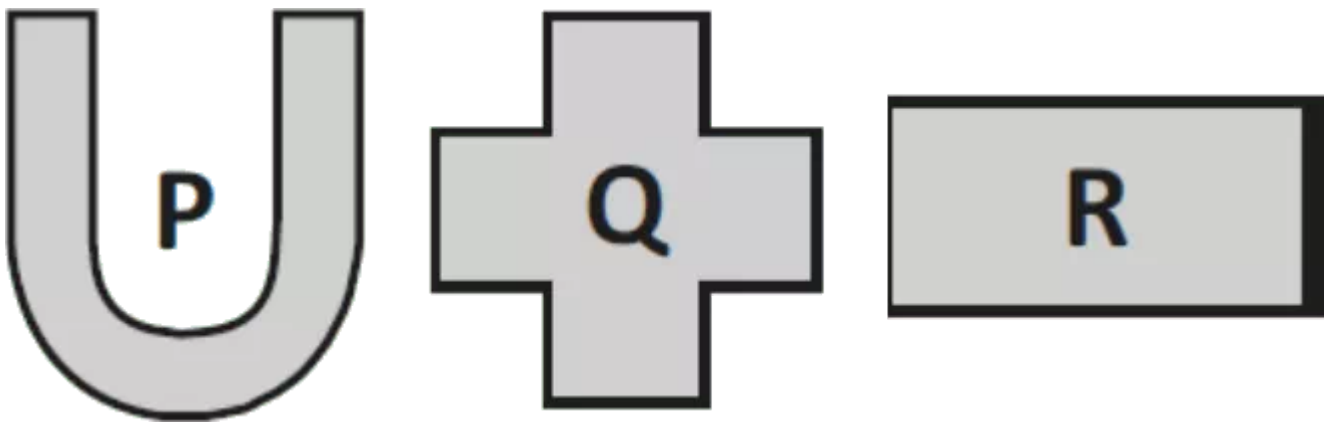


Image Shows P, Q, R That Has Exactly Two Lines of Symmetry

(A) Only P

(B) Only Q

(C) Only R

(D) Both Q and R

7. Find the product obtained when the difference between 12030 and 8107 is multiplied by 37.

(A) $3923 \times 30 - 3923 \times 7$

(B) $(3900 + 23) \times (40 - 3)$

(C) $3923 \times 40 + 3923 \times 3$

(D) 3923

8. Find the sum of second common multiple and first common multiple of 4 and 5.

(A) 60

(B) 40

(C) 0

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(D) 20

9. The figure given shows two identical rectangles, each measuring 8 cm by 4 cm, overlapping one another. The shaded area is $\frac{1}{4}$ of each rectangle.

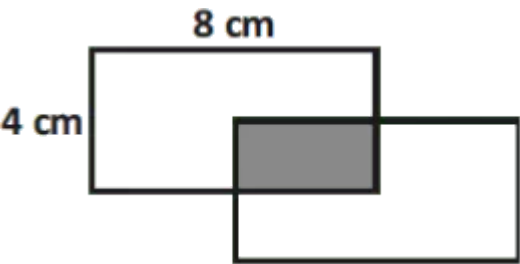


Image Figure Shows Two Identical Rectangles

Find the perimeter of the unshaded part of the figure.

- (A) 34 cm
- (B) 36 cm
- (C) 28 cm
- (D) 26 cm

10. How many “x” symbols are needed to represent the statement “ $25 + 14 = 39$ ” in Roman system?

- (A) 7
- (B) 6
- (C) 4
- (D) 10

11. How many meters of wire fencing is needed if each post is 6 m apart?

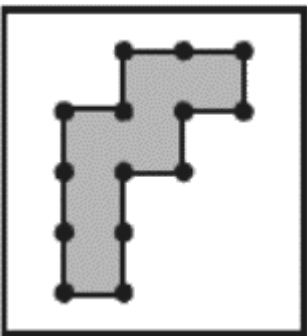


Image Shows Wire Fencing

- (A) 66 m
- (B) 72 m
- (C) 78 m
- (D) 84 m

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12. Find the ascending order of **XX**, **XXXVI** and **V**.

- (A) **V**, **XXXVI**, **XX**
- (B) **XX**, **V**, **XXXVI**
- (C) **V**, **XX**, **XXXVI**
- (D) **XXXVI**, **XX**, **V**

13. Giri had 90 more marbles than John. He lost 15 marbles while John lost 36 marbles. Giri then gave John 66 marbles. How many more marbles did John have than Giri in the end?

- (A) 9
- (B) 30
- (C) 21
- (D) 39

14. How many line segments are there in the given figure?

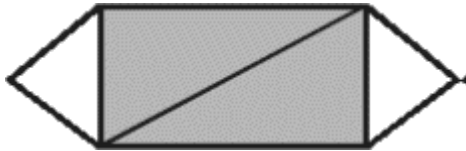


Image Figure Shows Line Segments

- (A) 12
- (B) 9
- (C) 8
- (D) 6

15. Sonu is 4 years younger than Tanya. Three year ago, Sonu was 10 years old. How old is Tanya now?

- (A) 13
- (B) 20

16. Observe the number pattern given. Which of the following is the 5th number in the pattern?

121, 12321, 1234321, 123454321, ...

Image Shows the Number Pattern

- (A) 123454321
- (B) 1234656432

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(C) 12345654321

(D) 1234421

17. Aneesh spent $\frac{3}{7}$ of his money on a shirt and $\frac{1}{2}$ of the remainder on a pair of trousers. If he had Rs.23 left, how much did Aneesh spend altogether?

(A) Rs.23

(B) Rs. 57.50

(C) Rs.52.50

(D) Rs.80.50

18. Kranthi leaves for school at 6:35 a.m. If he takes 35 minutes to walk to school, what time will he arrive in school?

(A) 7:35 a.m.

(B) 7:20 a.m.

(C) 7:10 a.m.

(D) 7:00 a.m.

19. Observe the given graph. On Saturdays, the school functions from 8 a.m. to 12 noon. For how long can the students play on a Saturday?

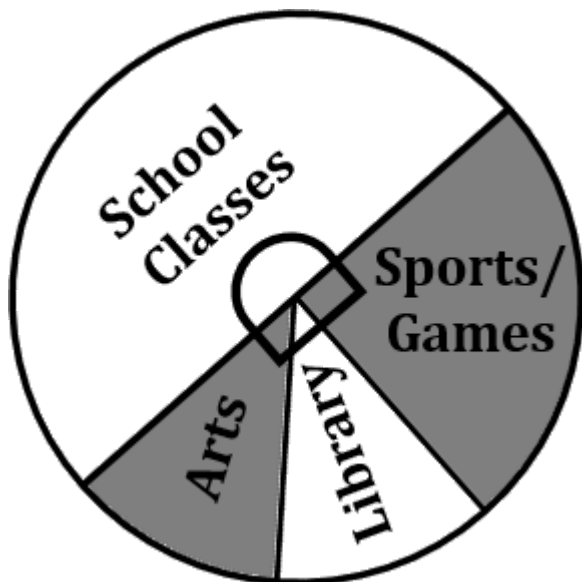


Image Graph Shows Schedules of School

(A) 60 min

(B) 15 min

(C) 30 min

(D) 20 min

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20. How many digits are zeroes in the product of $30 \times 40 \times 50 \times 60 \times 70$?

- (A) 1
- (B) 5
- (C) 6
- (D) 8



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NSTSE Class 4 Question Paper 2016 Part 2

21. Which of the given numbers is not a whole number?

(A) $\frac{2013+0}{1}$

(B) $\frac{2013+2}{3}$

(C) $\frac{2013+3}{2}$

(D) $\frac{2013+3}{7}$

22. Ajit arranged some marbles in the manner shown here. Which of the following division facts is best represented by this grouping of marbles? (All the marbles must be considered)

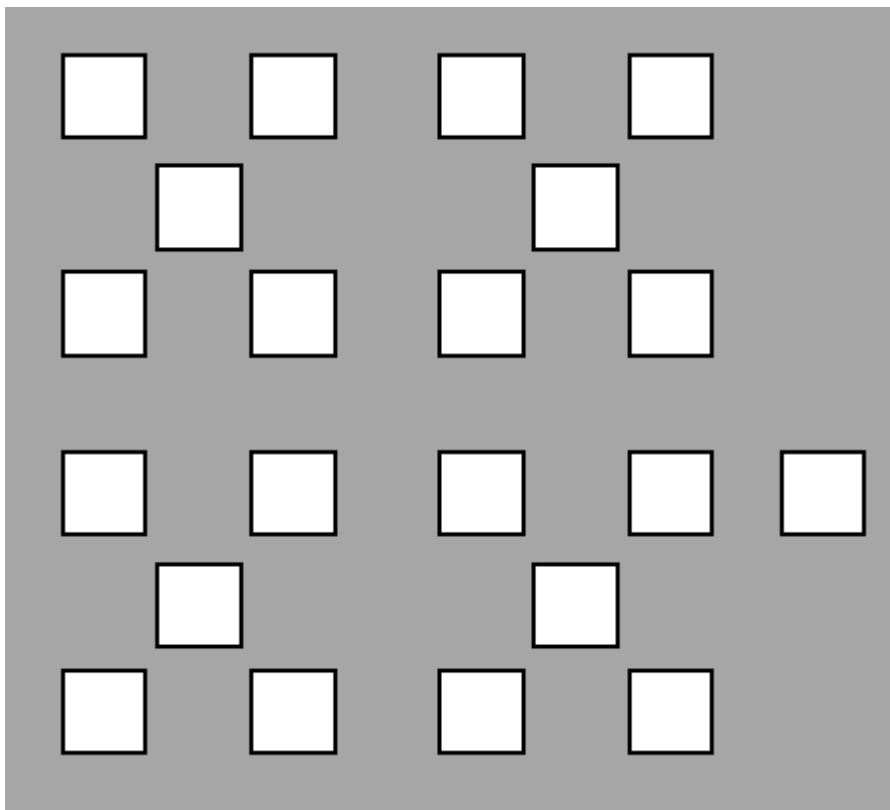


Image Shows Some Marbles Arranged in the Manner

(A) $21 \div 5$ Gives quotient 4 & remainder 1

(B) $21 \div 7$ gives quotient 3

(C) $20 \div 5$ Gives quotient 4

(D) $5 \div 4$ Gives quotient 1 & remainder 1

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23. Given that $1 + 2 + 3 + 4 + 5 + \dots + 98 + 99 + 100 = 5050$, find $1 + 2 + 3 + 4 + \dots + 98 + 99 - 100$.

(A) 5150

(B) 4950

(C) 4850

(D) 5050

24. Tony had 4375 phone cards. He gave away 20 of them and placed the rest equally into 65 groups. How many phone cards were there in each group?

(A) 54

(B) 67

(C) 76

(D) 45

25. Leena has 4 packets of flour. Each packet contains 3 kg 480 g of flour. How much flour does Leena have altogether?

(A) 11 kg 240 g

(B) 12 kg 480 g

(C) 10 kg 450 g

(D) 13 kg 920 g

26. Observe the given figure and identify the type of plant.

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ImageFigure Shows a One Type of Plant

- (A) Floating Plant
- (B) Fixed Plant
- (C) Insectivorous Plant
- (D) Submerged Plant

27. Zebras have stripes on their bodies. How does this adaptation help them?

- (A) In keeping their bodies cool.
- (B) In keeping their bodies warm.
- (C) In mixing with the surroundings.
- (D) None of the above.

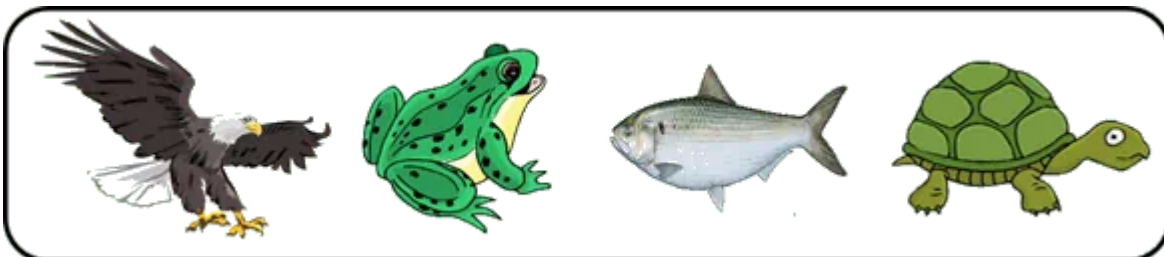


Image Shows Different Types of Animals

28. The animals given below are similar as they all

- (A) Hatch from eggs.

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(B) Have same body covering.

(C) Are mammals.

(D) Live only in water.

29. Which teeth do herbivores use to grind or chew their food?

(A) Incisor teeth

(B) Molar teeth

(C) Canine teeth

(D) Wisdom teeth



Image Tree

30. Which picture shows a pushing force?

(A)

(B)



Image Pus Car

(C)

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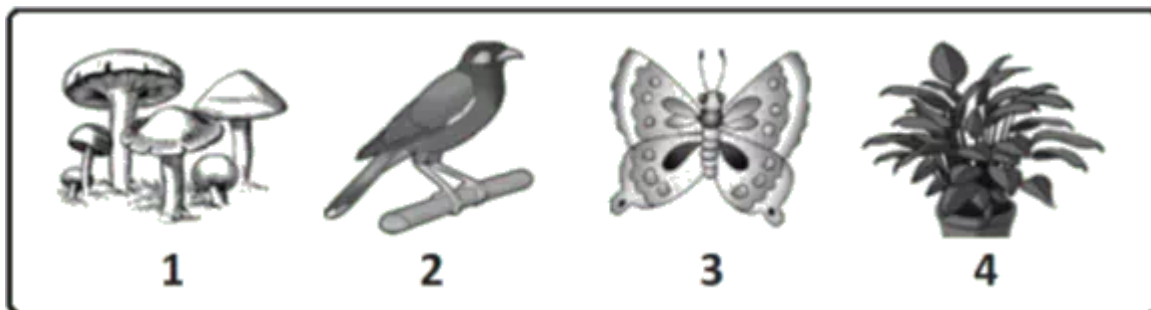
Image Picture Show

(D)



Image Watching Tv

31. Which of these is a producer?



ImagePicture Shows the Four Types of Organisms 1,2,3 and 4

(A) 1

(B) 2

(C) 3

(D) 4

32. When you eat popcorn you are actually eating the

(A) Fruit

(B) Root

(C) Stem

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(D) Seed

33. Why is earth called the blue planet?

(A) The maximum area of the earth is covered with water.

(B) The earth gets the reflection of the sky.

(C) Maximum people wear blue clothes.

(D) The roof of the following are blue coloured.

34. Which of the following makes use water to generate electrical energy?

(A)

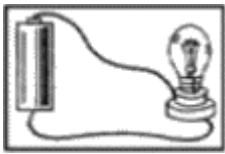
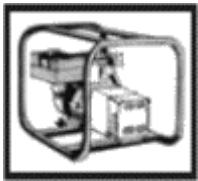


Image Picture Shows Electrical Energy

(B)



Machine to Electrical Energy

(C)



Air to Generate Electrical Energy

(D)



Water to Electrical Energy

35. Which of these planets support life and has air?

(A) Mercury

(B) Earth

(C) Mars

(D) Venus

36. Why does a climber coils around the stems of other plants?

a) To support itself.

b) To get food from that plant.

c) To get as much sunlight as possible

(A) a and b only

(B) a and c only

(C) b and c only

(D) a, b and c

37. A decomposer is a living thing that obtains its own food from organic matter. Which of the following is a decomposer?

(A) A mango tree

(B) A cow

(C) A woman

(D) Fungus

38. The given substances are similar as they are all

Steam, Water vapour, Carbon dioxide and Oxygen

Image Steam Vapour , Carbon Dioxide and Oxygen

(A) Solids forms.

(B) Liquids forms.

(C) Gaseous forms.

(D) Both (A) and (C)

39. Rehan wants to eat a chicken drumstick but has lost some canines of his mouth. What will be his difficulty?

(A) To taste the chicken drum stick

(B) To tear away pieces of the chicken drum stick

(C) To crush and grind the chicken drum stick

(D) To digest the chicken drum stick

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40. Study the given table carefully. Which of the following are also called 'heterotrophs'?

P : Producers	Q : Herbivores
R : Carnivores	S : Omnivores

Image Table Shows Forms of P, Q, R and S

- (A) P
- (B) Q and R
- (C) Q, R, and S
- (D) P, Q, R, S

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NSTSE Class 4 Question Paper 2016 Part 3

41. Camouflage is a kind of adaptation in which an organism deceives others by merging its colour with that of its surroundings. Which of the following colours will best suit a chameleon to hide from its enemies in a forest when it sits on a neem tree trunk?

- (A) Red
- (B) Blue
- (C) Green
- (D) Brown

42. Which of the following undergo moulting?

- (A)



Image Shows Cocrog

- (B)



Image Shows Shenk

- (C)



Image Shows Undergo Moulting

- (D) All of these

43. Never touch any electrical appliances if your hands

- (A) Have rubber gloves.
- (B) Are dry.

(C) Are wet.

(D) Are soft and dry.

44. Which of the following is/are forms (s) of precipitation?

(A) Rain

(B) Dew

(C) Fog

(D) All of these

45. An Opuntia plant has

(A) Needle like leaves

(B) Very thin leaves

(C) Long leaves

(D) Broad leaves

46. In a forest, how do decomposers help other organisms to survive?

(A) They release oxygen into the air that animals breathe

(B) They put nutrients into the soil that plants use to grow

(C) They provided shelter in forests where animals can hide

(D) They use sunlight to make food for plants and animals

47. Sonam saw some wild mushrooms growing on a piece of rotting log. She realized that they do not have any green leaves with which to make their own food. However, they were still alive. How is this possible?

(A) Mushrooms have chlorophyll in their caps with which they make their own food.

(B) Mushrooms get food from the air.

(C) Mushrooms do not need food.

(D) Mushrooms get their food from the piece of rotting log.

48. The given animals are similar in that both_____.

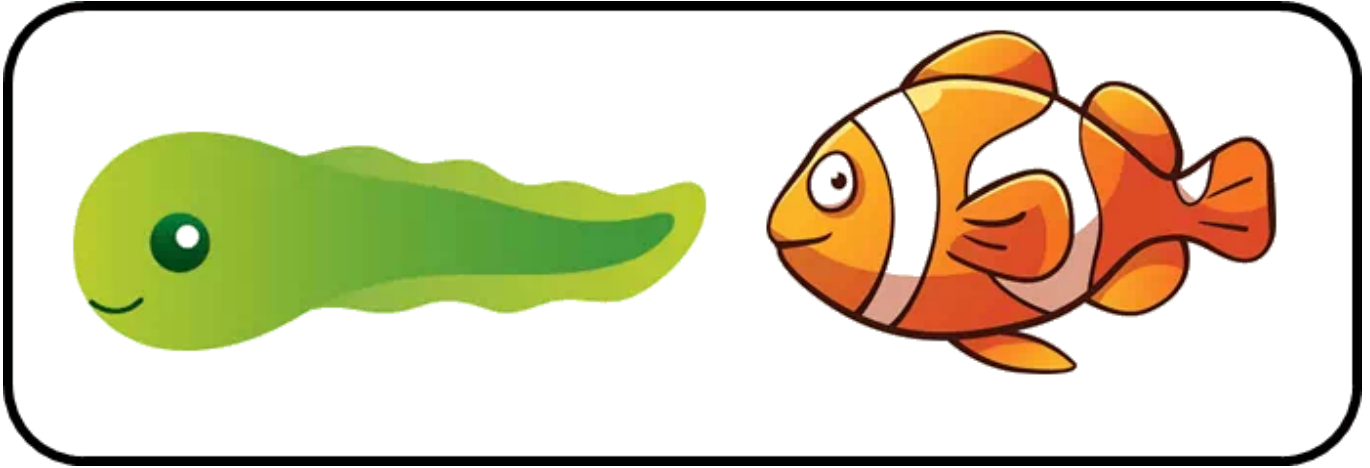


Image Shows the Animals Are Similar

- (A) Can swim
- (B) Take in air through their gills
- (C) Have scales
- (D) Both (A) and (B)

49. The pie chart shows the component gases which can be found in air. Which gases do x and y represent?

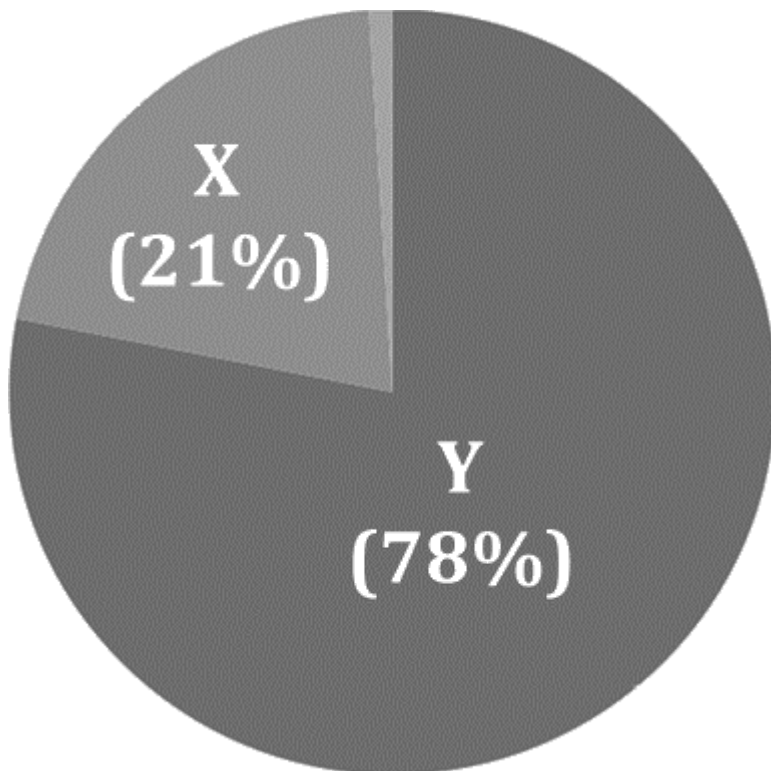


Image Pie Chart Shows the Component Gases

- (A) X – Nitrogen; Y – Oxygen
- (B) X – Oxygen; Y - Nitrogen
- (C) X – Carbon dioxide; Y – Oxygen

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(D) X – Oxygen; Y – Carbon dioxide

50. The diagram below shows a plant part under the microscope. The openings shown in the diagram are found in the

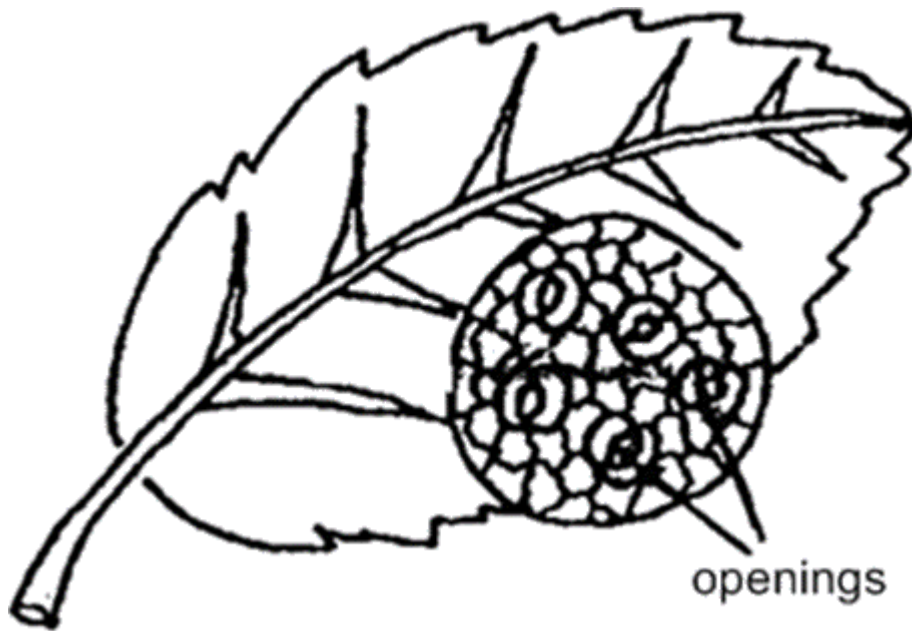


Image Diagram Shows a Plant Part under the Microscope

- (A) Root hairs for absorbing water.
- (B) Seeds for water to enter.
- (C) Stem to transport water and food through.
- (D) Leaves for exchange of gases.

51. Lasya read the given information and made sketches of four organisms?

This is a single-cell organism that has both plant and animal characteristics. It has a very distinctive red eye-spot and its single hair-like structure propels it forward.

Image Shows Information About Organisms

Which sketch fits the description given above?

(A)



Image Choice A

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(B)



Image Choice B

(C)



Image Choice C

(D)



Image Choice D

52. Abhi dissolved some salt in water and left it in a dish near a sunny window. What did he notice after a few days?

- (A) The level of salt solution in the dish remained the same.
- (B) The level of salt solution in the dish became higher.
- (C) The salt solution had dried up and salt was left behind.
- (D) The salt solution seeped through the dish and the dish was empty.

53. What part of a mango tree becomes the fruit?

- (A) Stems
- (B) Leaves
- (C) Roots
- (D) Flower

54. If you want to propagate sugarcane plants. Which part of the sugarcane plant do you use?

- (A) Seed
- (B) Root

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(C) Stem

(D) Flower

55. How does woollen clothes keep our bodies warm in winter?

(A) By absorbing heat present in the air.

(B) By preventing body heat to escape.

(C) By reflecting sunlight.

(D) By the absorption of sunlight

56. Which animal is further away from the dog?

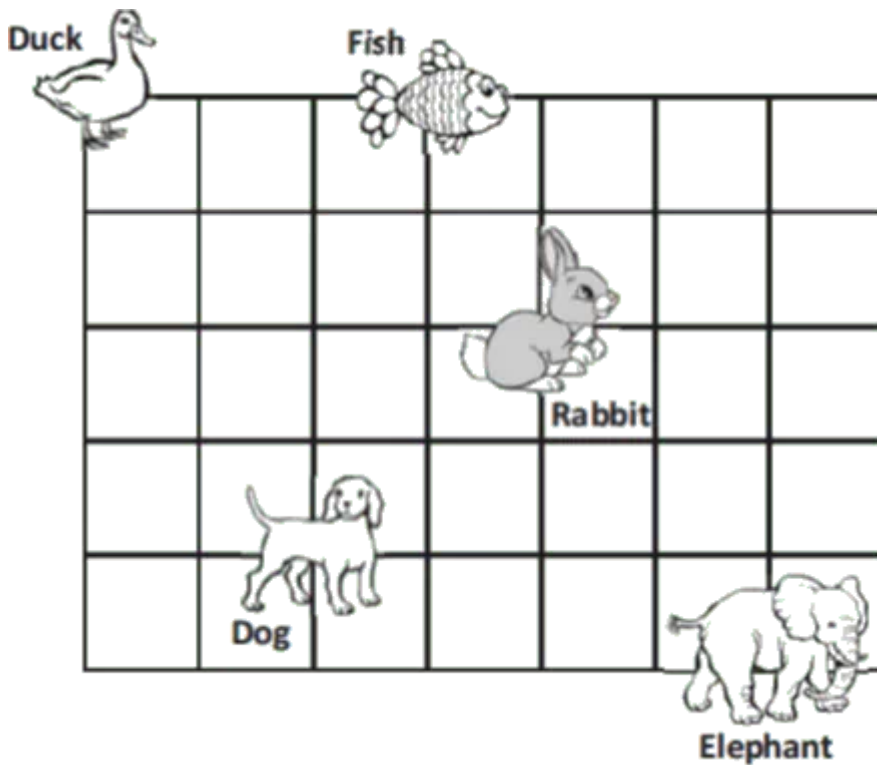


Image Diagram Shows Positions of Animals

(A) Fish

(B) Duck

(C) Elephant

(D) Rabbit

57. Find out drawing that shows Lalitha's view.

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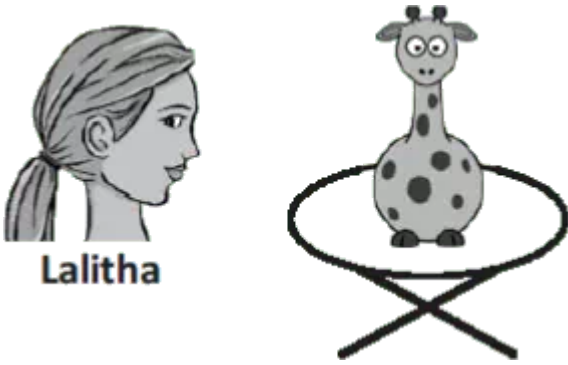


Image Picture Shows Lalitha'S View for Giraffe

(A)



Image Giraffe Right View

(B)



Image Giraffe Front View

(C)



Image Giraffe Back View

(D)



Image Giraffe Left View

58. Which piece does not fit?

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Image Shows Four Pieces of Ball

(A)



Fit Pieces into Figure Choice A

(B)



Fit Pieces into Figure Choice B

(C)



Fit Pieces into Figure Choice C

(D)



Fit Pieces into Figure Choice D

59. In a water tank, a solid board was placed in the middle and water was poured into the two sides. If the board is taken out, what would the height of the water be in cm?

(A) 15

(B) 30

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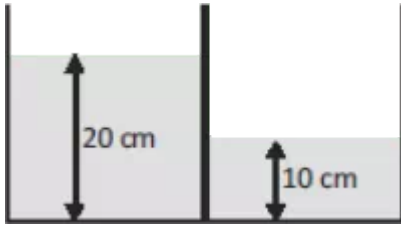


Image Figure Shows a Water Tank Poured into Two Sides

(C) 20

(D) 25

60. A bee wants to move from



Image Shows One Number in Bee House

to



Image Shows Seven Number in Bee House



Image Shows Numbers in Bee House

(A) 12

(B) 10

(C) 15

(D) 13



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