

## NSTSE Class 4 Question Paper 2017 Part 1

1. How many thousands make 5 lakhs?

- (A) 5
- (B) 5000
- (C) 50
- (D) 500

2. Some Roman numerals are given in the box.

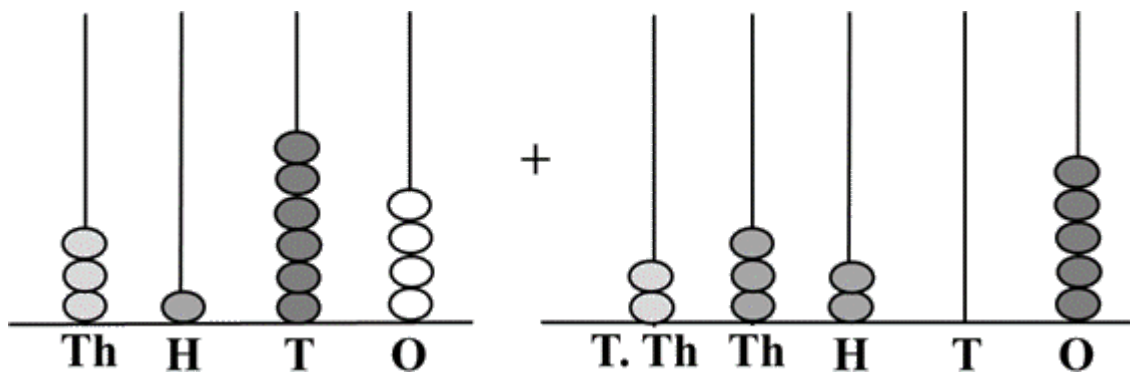


*Image Shows Roman Numerals*

Which of the following is the number that can be written using all the given Roman numerals?

- (A) 2555
- (B) 1565
- (C) 1568
- (D) 3549

3. Find the sum of the numbers shown on the abacuses.



*Image Shows Sum of the Two Abacuses*

- (A) 26568
- (B) 54845

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(C) 25879

(D) 26369

4. What is the sum of the odd numbers between 5 and 12?

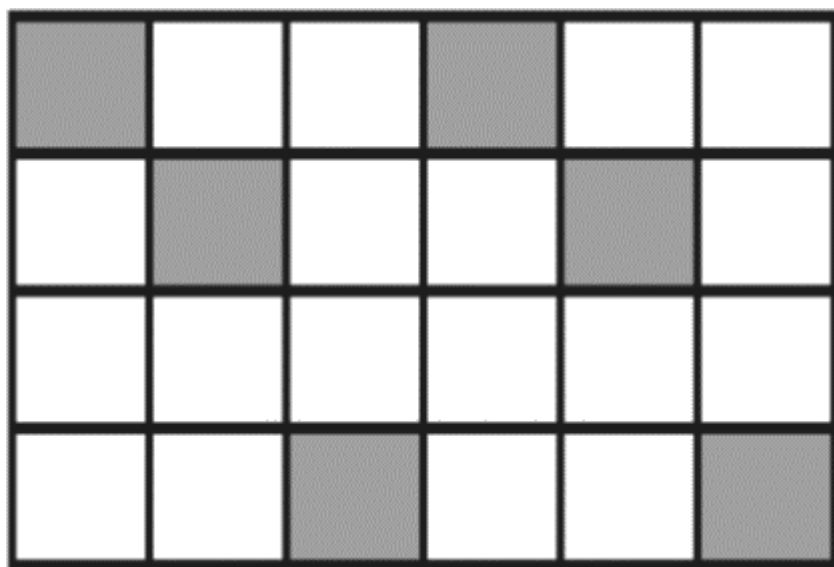
(A) 7

(B) 27

(C) 16

(D) 17

5. Observe the given figure. How many more rectangles should be shaded such that  $\frac{3}{4}$  of the figure is shaded?



Squares

(A) 18

(B) 12

(C) 24

(D) 6

6. What fraction of  $1\frac{1}{4}$  min is 40 s?

(A)  $\frac{7}{15}$

(B)  $\frac{8}{15}$

(C)  $\frac{5}{4}$

(D)  $\frac{7}{16}$

7. Find the missing number.

$$2875 \text{ g} - 2 \text{ kg } 750 \text{ g} = \underline{\hspace{2cm}} \text{ g}$$

*Missing Number*

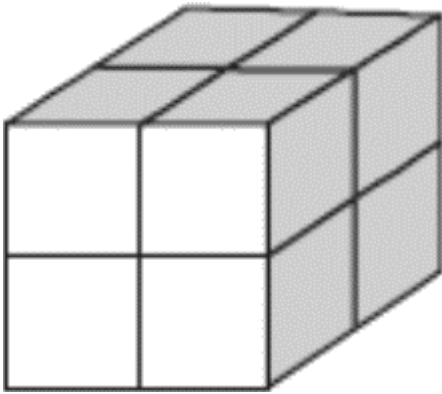
(A) 1250

(B) 125

(C) 1025

(D) 1125

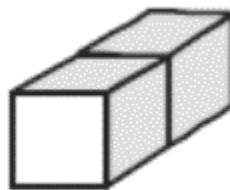
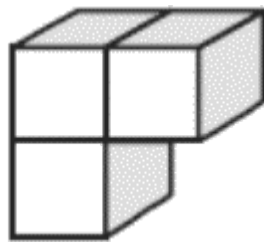
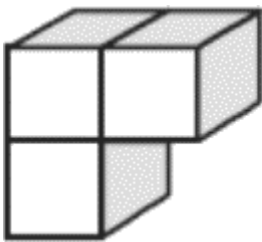
8. The cube in the figure was cut and separated into three pieces.



*Cube in Three Pieces*

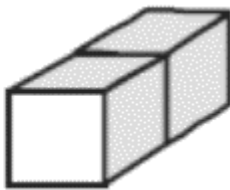
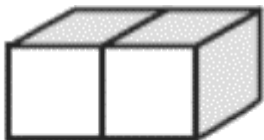
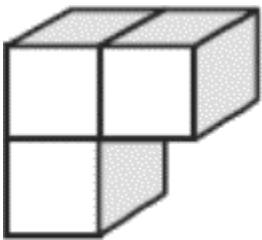
Which of the following groups could be the three pieces of the cube?

(A)



*Cubes Choice A*

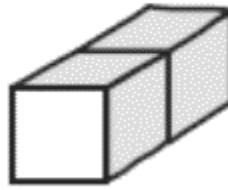
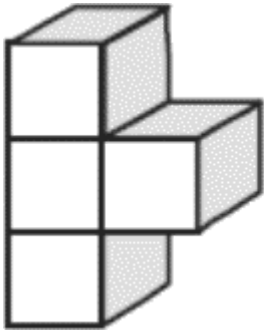
(B)



*Cubes Choice B*

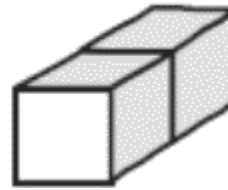
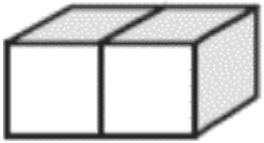
(C)

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*Cubes Choice C*

(D)



*Cubes Choice D*

9. How many minutes make a quarter of an hour?

- (A) 9
- (B) 7
- (C) 8
- (D) 15

10. A wire 48 cm long is bent to form a square. Find the side of the square.

- (A) 12 cm
- (B)  $16cm^2$
- (C)  $36cm^2$
- (D) 20 cm

11. The difference between the smallest and the largest 5-digit number formed by the digits 5, 4, 2, 6, 0 is

- (A) 44964
- (B) 62964
- (C) 46956
- (D) 62985

12. Akram spends Rs.658 in a month. At the same rate how much will he spend in a year?

- (A) Rs.1316

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(B) Rs.6580

(C) Rs.7896

(D) Rs.13160

13. Which of these is an example for twin primes?

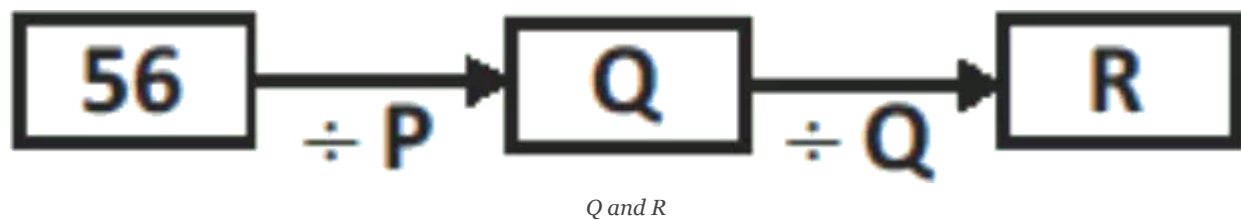
(A) 11, 15

(B) 17, 23

(C) 3, 7

(D) 11, 13

14. If the value of Q is twice the value of R, find R.



(A) 28

(B) 2

(C) 56

(D) 1

15. What is the value of  $13 + 6 \div 2 + 5 \times 4$ ?

(A) 36

(B) 45

(C) 25

(D) 28

16. A packet of biscuits cost Rs.4 Aryan bought 9 packets and had Rs.2 left. How much did he have at first?

(A) Rs. 40

(B) Rs. 34

(C) Rs. 38

(D) Rs. 36

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17. Tarun gave  $\frac{5}{7}$  of his salary to charity and spent  $\frac{1}{2}$  of the remainder. What fraction of his salary was left?

(A)  $\frac{1}{7}$

(B)  $\frac{2}{7}$

(C)  $\frac{3}{7}$

(D)  $\frac{4}{7}$

18. Which one of the following figures is  $\frac{5}{8}$  shaded?

(A)



Figure Choice A

(B)



Figure Choice B

(C)



Figure Choice C

(D)

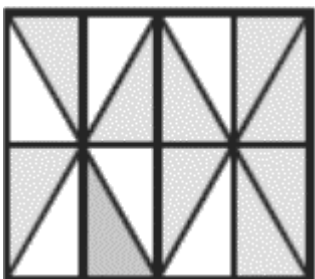


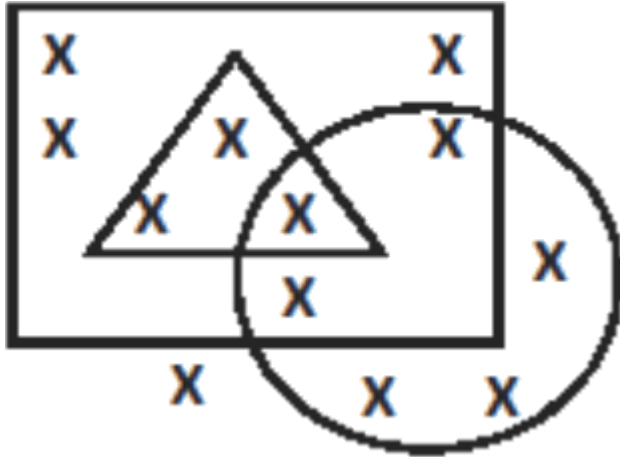
Figure Choice D

19. Identify the largest number?

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- (A) CD
- (B) CM
- (C) DC
- (D) MC

20. In the figure given, how many cross marks are in the triangle but not in the rectangle?



*Crosses in Figures*

- (A) 6
- (B) 3
- (C) 2
- (D) 0

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## NSTSE Class 4 Question Paper 2017 Part 2

21. From which of the following numbers must **4409** be subtracted so that the difference is **72352**?

(A) **67943**

(B) **67941**

(C) **68943**

(D) **76761**

22. Arun had  $\frac{7}{10}$  m of wool. He cut it into 5 equal pieces. What was the length of each piece of wool?

(A)  $\frac{2}{7}$  m

(B)  $\frac{7}{50}$  m

(C)  $3\frac{1}{2}$  m

(D)  $5\frac{7}{10}$  m

23. Find the sum of the first three common multiples of 6 and 9.

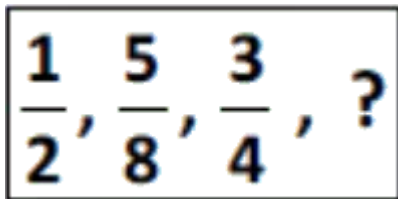
(A) **54**

(B) **108**

(C) **162**

(D) **216**

24. What fraction comes next?



*Image Shows Fractions in Box*

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

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



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(C)  $\frac{3}{8}$

(D)  $\frac{7}{8}$

25. 3 necklaces cost as much as 7 rings. If 3 necklaces and 3 rings cost Rs. 1860, find the cost of 1 necklace.

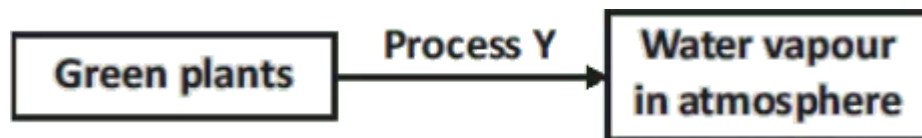
(A) Rs. 364

(B) Rs. 1302

(C) Rs. 434

(D) Rs. 186

26. Identify the process Y in the given figure.



*Image Figure Shows the Process of Water Vapour*

(A) Condensation

(B) Evaporation

(C) Transpiration

(D) Decomposition

27. A teacher is explaining about microbes and germs and she was observing the body structure of a microbe using some instruments given below.



*Image Body Structure*

Which of the following devices is/are being used by the teacher and describe microbes?

(A) I only

(B) II only

(C) III only

(D) II and III only

28. Which of these best completes this concept map?

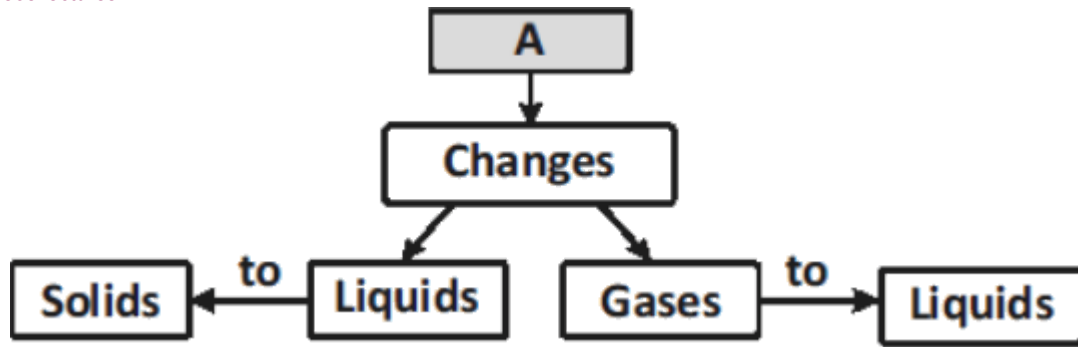


Image Diagram Shows the Concept Map

- (A) Cooling
- (B) Heat
- (C) Evaporating
- (D) Freezing

29. Which of these gases is released by green plants during photosynthesis?

- (A) Carbon dioxide
- (B) Oxygen
- (C) Water
- (D) Nitrogen

30. What would happen to soil if a farmer adds earthworms, dried leaves, and organic matter to it?

- (A) The soil would remain the same.
- (B) The soil would lose some of its nutrients.
- (C) The soil would become richer in nutrients and airy.
- (D) The soil would become polluted.

31. Observe the following groups of plants.

X	Y
Nepenthes and sundew	Mushroom and mould

Image Table Shows the Groups of Plants

The plants are grouped according to

- (A) Whether living or non-living things.
- (B) The type of nutrition.
- (C) The position they are located in the pond.

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(D) Their capacity to move freely in water.

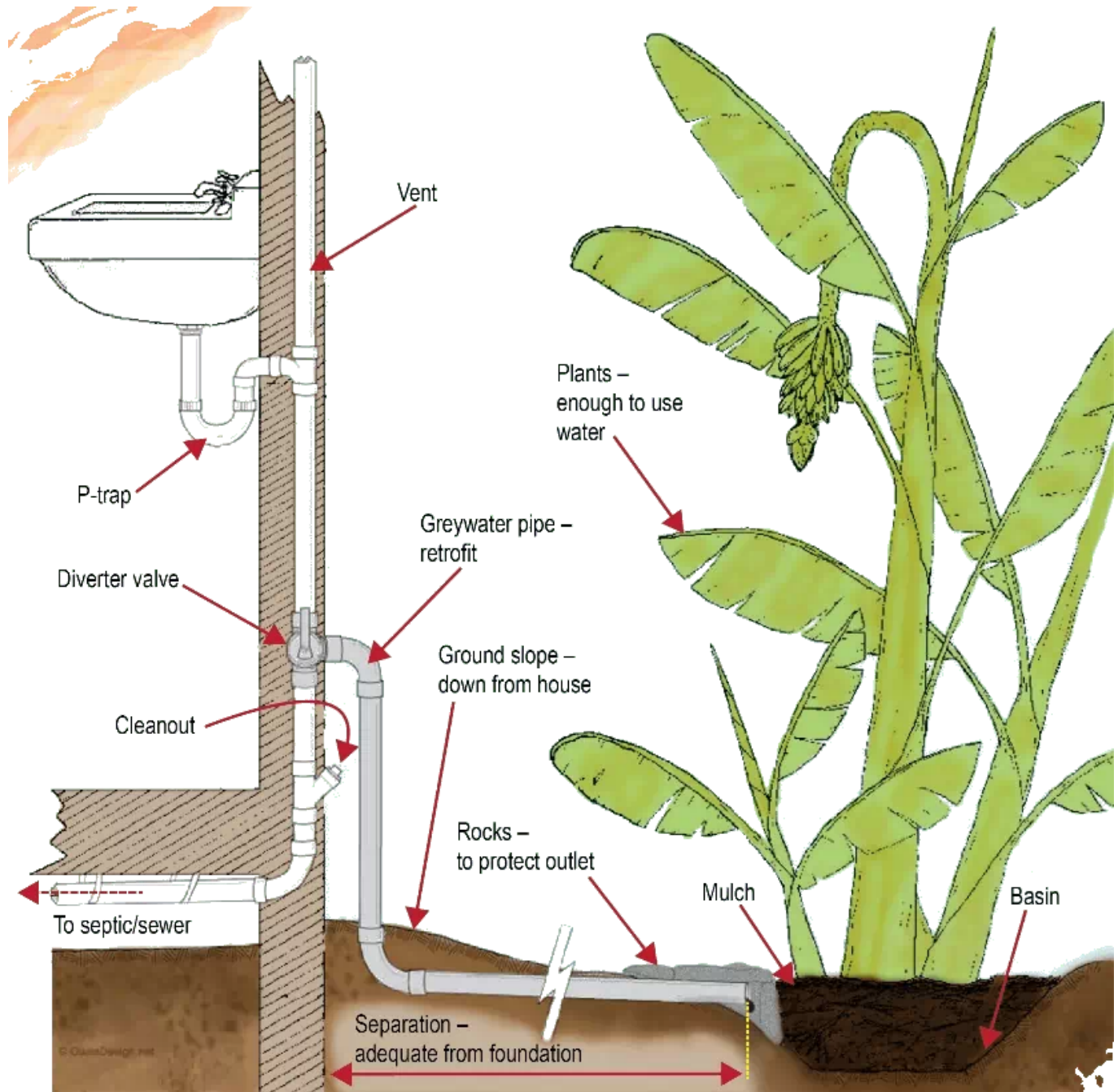
32. Which of the following is the best way to dispose waste water from kitchen?

(A) Using it as drinking water

(B) Using it as bathing water

(C) Using it to cook the food

(D) Using it to water the plants



33. Which of these have three stage life cycle?

(A)

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Image Shows Insect Have Three Stage Life Cycle Choice A

(B)



Image Shows Insect Have Three Stage Life Cycle Choice B

(C)



Image Shows Insect Have Three Stage Life Cycle Choice C

(D)



Image Shows Insect Have Three Stage Life Cycle Choice D

34. Kishore wants to eat an apple but has lost some incisors of his mouth. What will be his difficulty?

- (A) To cut into the apple
- (B) To tear away parts of the apple
- (C) To crush and grind the apple
- (D) To digest the apple

35. The thick covering called 'cuticle' on the stem of desert plants help them to

- (A) Breathe air.
- (B) Prepare food.
- (C) Absorb water.
- (D) Reduce transpiration.

36. Which of the following is the best method to kill the germs present in water?

- (A) Keeping the water container without lid

- (B) Adding sugar to water
- (C) Boiling the water
- (D) Covering the water vessel with a lid

37. What passes out of the small intestine into the bloodstream?

- (A) Water
- (B) Digestive juices
- (C) Undigested food
- (D) Digested food

38. Plants growing on high walls get water from

- (A) The walls
- (B) The land
- (C) The air
- (D) Insects moving around.

39. The method(s) to prevent soil erosion is/are

- (A) Planting vegetation
- (B) Building embankments along river banks.
- (C) Practising terrace farming on hill slopes.
- (D) All of the above

40. Which of the following energy changes takes place in the figure shown here?

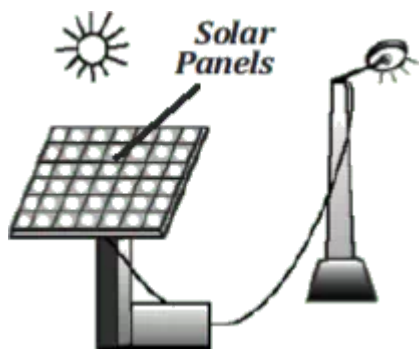


Image Solar Panels

- (A) Light energy → solar energy → Electrical energy
- (B) Solar energy → Chemical energy → Light energy
- (C) Solar energy → Electrical energy → Light energy

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(D) Light energy → Electrical energy → Solar energy



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## NSTSE Class 4 Question Paper 2017 Part 3

41. Which one of the following is an example of a pull?

- (A) Bouncing a ball
- (B) Punching the keys on the keyboard
- (C) Removing the lid from the container
- (D) Placing the bottle of ketchup on table

42. Which of the following organisms help to break down dead matter into simpler substances?

- (A) Fern
- (B) Fungi
- (C) Woodlouse
- (D) Termite

43. The diagram shows a plant with some tendrils.



*Image Diagram Shows a Plant with Some Tendrils*

How do the tendrils help plant to grow well?

- (A) They help the plant to absorb water.
- (B) They attach on to other plants in order for the leaves to get enough sunlight.
- (C) They transport the food made by the leaves to all parts of the plant.
- (D) They help to store food for the plant.

44. What is the function of molars?

- (A) To cut the food.

(B) To tear the food.

(C) To crush and grind the food.

(D) To digest the food.

45. When a bulb is connected to a cell with wires, it glows. What kind of energy is stored in cells?

(A) Solar energy

(B) Electrical energy

(C) Chemical energy

(D) Light energy

46. Plant's shoot growth is towards\_\_\_\_\_.

(A) Sunlight

(B) Gravity

(C) Water

(D) Soil

47. The symptoms of a disease caused due to deficiency of vitamin are given below. Identify the vitamin.

- **Bleeding of gums.**
- **Swelling of joints.**
- **Wounds that do not heal.**

*Deficiency*

(A) Vitamin A

(B) Vitamin B

(C) Vitamin C

(D) Vitamin D

48. Which of the following methods is used to remove soluble impurities in water?

(A) Sedimentation

(B) Decantation

(C) Filtration

(D) Distillation

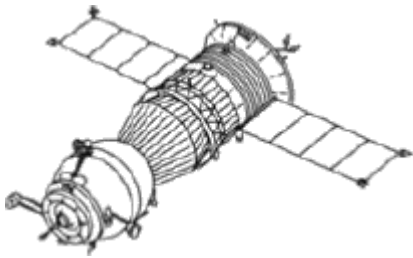


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49. The disease Goiter is caused due to the lack of a certain class of food. Which of the following types of food should be consumed to reduce the risk of goiter?

- (A) Rice
- (B) Orange
- (C) Fish
- (D) Carrot

50. Identify the given figure.



*Image Figure Shows the Object*

- (A) A lever
- (B) A screw
- (C) A satellite
- (D) A pulley

51. An apple from the apple tree fall on ground is due to

- (A) Muscular force.
- (B) Balanced force.
- (C) Gravitational force.
- (D) Frictional force.

52. The animals given below are similar as they are

**Rabbit, Moles, Rat**

*Image Animal Name Similar*

- (A) Aerial animals
- (B) Arboreal animals
- (C) Aquatic animals
- (D) Burrowing animals

53. What are autotrophs?

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- (A) Herbivores
- (B) Producers
- (C) Carnivores
- (D) Omnivores

54. Which one of the following body systems carries food and oxygen to all parts of the body and collects waste materials?

- (A) Digestive system
- (B) Respiratory system
- (C) Circulatory system
- (D) Excretory system

55. Shreya investigated the properties of an object. She noted down the following observations in her notebook.

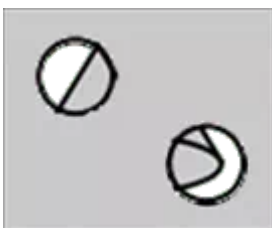
**It has mass.  
It occupies space.  
It cannot be compressed.  
It does not take shape of the container that holds it.**

*Defines the Properties of an Object*

What could be the object?

- (A) Oxygen
- (B) Honey
- (C) Pebble
- (D) Milk

56. The following shows solid figure seen through holes on a piece of paper. Identify the hidden solid figure.



*Image Figure Shows Holes on a Piece of Paper*

- (A)

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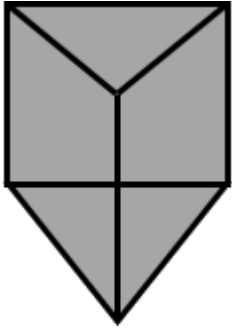


Image Shows Hidden Solid Figure Choice A

(B)

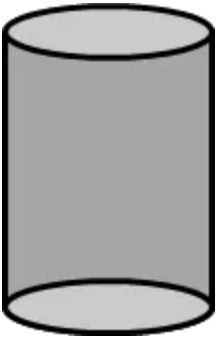


Image Shows Hidden Solid Figure Choice B

(C)

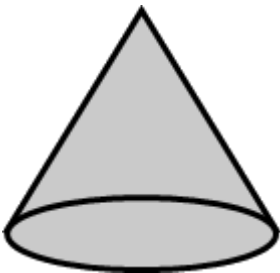


Image Shows Hidden Solid Figure Choice C

(D)

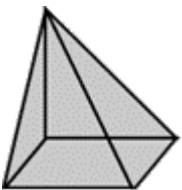


Image Shows Hidden Solid Figure Choice D

57. The number from 1 to 7 were laid out in order to make an expression. Which option represents the correct placement of five  $+$  operation cards?

$$\boxed{1} \text{ P } \boxed{2} \text{ Q } \boxed{3} \text{ R } \boxed{4} \text{ S } \boxed{5} \text{ T } \boxed{6} \text{ U } \boxed{7} = 55$$

Image Shows the Number from 1 to 7

(A) P, Q, S, T, U

(B) P, Q, R, S, T

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(C) P, Q, R, S, U

(D) P, R, S, T, U

58. Read the clues given.

My uncle and aunt have different jobs. One is a driver, and the other works in an office.

My parents and aunt has never driven a car.

My dad and uncle share automobile business.

What is my uncle's occupation?

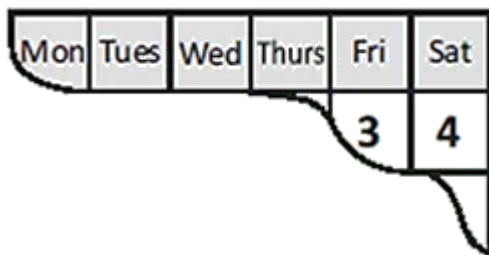
(A) Employee

(B) Driver

(C) Business

(D) None of these

59. The following is a ripped piece of calendar for March, what day is April?



*Image a Ripped Piece Calendar*

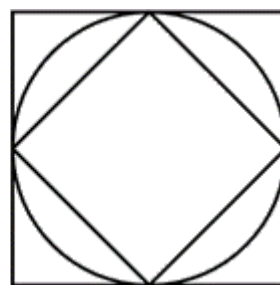
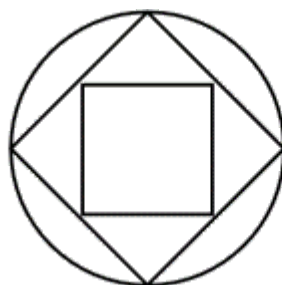
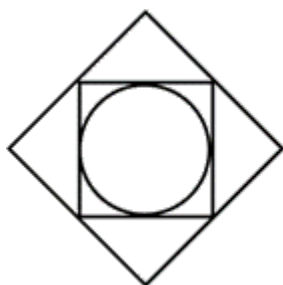
(A) Monday

(B) Saturday

(C) Tuesday

(D) Sunday

60. How would the 4<sup>th</sup> drawing look like?



?

*4th Missing Drawing*

(A)

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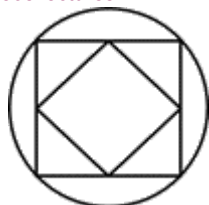


Image Circle Choice A

(B)

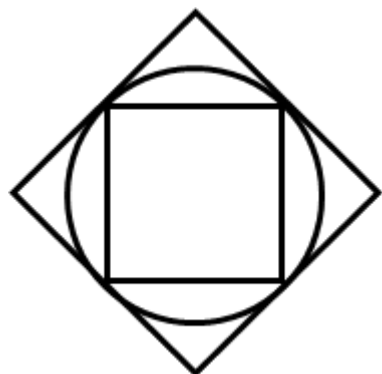


Image Rhombus Choice B

(C)

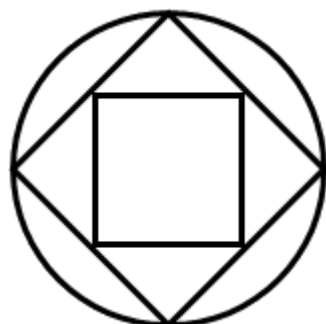


Image Circle Choice C

(D)

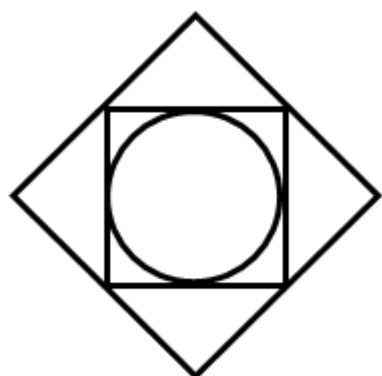


Image Rhombus Choice D

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