

1. Use the table below to solve this problem.
What is the missing number?

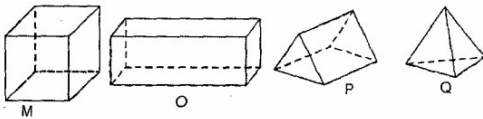
3	4	7
1	2	3
4	?	10

- A. 14
B. 8
C. 6
D. 5

2. A concert area was set up with 16 rows of chairs.
Each row had 12 chairs. In addition, there were 9 chairs set up on the stage.
Which expression can be used to find how many chairs there were in all?

- A. $(12 \times 16) + (12 \times 9)$
B. $(16 + 12) + 9$
C. $(16 \times 12) + (16 \times 9)$
D. $(16 \times 12) + 9$

3. Joseph picked a mystery solid from the ones shown below



Here are the clues to his mystery solid.

Clue 1: The mystery solid is a prism.

Clue 2 : The mystery solid has 5 faces.

Which solid is Josephs mystery solid?

- A. M
B. O
C. P
D. Q

4. Which one of the figures below has the same area as Figure A?

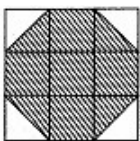
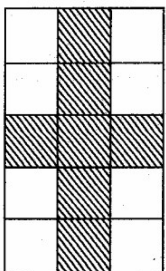
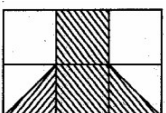


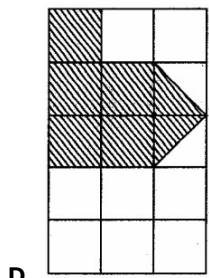
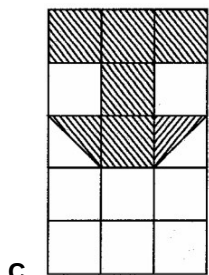
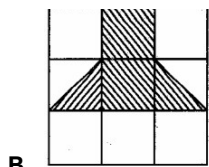
Figure A

 = 1cm^2



A.

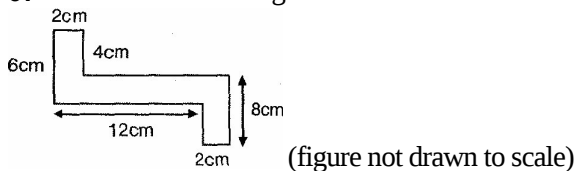




5. Which list shows the numbers in order from least to greatest?

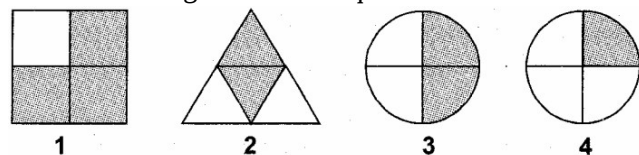
- A. 5040×3 , 4005×9 , 4050×9 , 5004×8
- B. 1600×4 , 1500×5 , 3000×3 , 2002×3
- C. 2 Hundredths, 5 tens, 5 Hundredths, 50 ones
- D. $5040 \div 3$, $40500 \div 9$, $34300 \div 7$, $2890 \div 17$

6. Find the area of the figure



- A. 48 cm^2
- B. 8 cm^2
- C. 28 cm^2
- D. 40 cm^2

7. Which two figures have an equivalent fraction shaded?



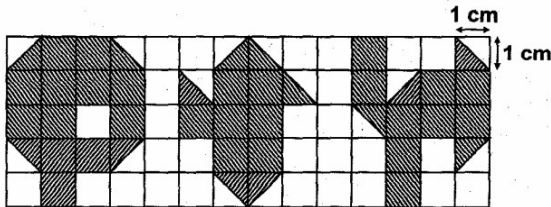
- A. 3 and 4
- B. 1 and 2
- C. 1 and 4
- D. 2 and 3

8. Which of the following is equivalent to 4 tenths?

- A. 0.25
 $2 \times \frac{1}{5}$
 B.
 C. 2.5
 D. 4%

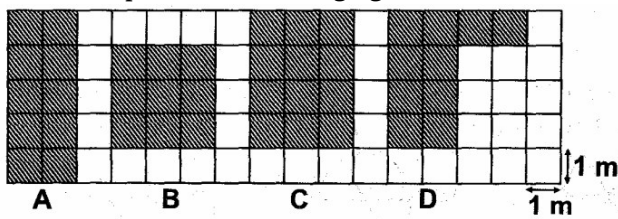
9. Study the diagram below.

What is the total area of the shaded figures?



- A. 30 cm^2
 B. 32 cm^2
 C. 34 cm^2
 D. 35 cm^2

10. Which pair of the following figures has the same area but different perimeter ?



- A. B and D
 B. A and C
 C. C and D
 D. A and D

11. Read the table by that basis answers the question below.

The temperature in each city was noted at 3 pm on 15 February 2009.

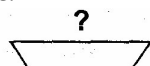
City	Temperature at 3 am	Temperature at 3 pm
Chennai	21.1°C	30.9°C
Mumbai	19.0°C	35.1°C
Kolkata	13.1°C	26.6°C
Srinagar	1.3°C	7.1°C
Jaipur	10.2°C	23.2°C

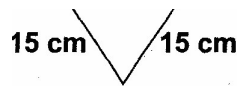
How much lower is the temperature in Srinagar from that in Chennai at 3 pm?

- A. 4°C
 B. 3.9°C
 C. 23.8°C
 D. 5.8°C

12. The triangle below has a perimeter of 42 cm.

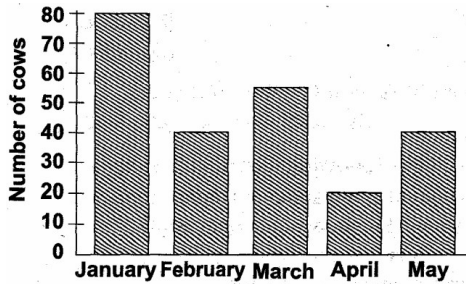
Find the length of the unknown side.





- A. 12 cm
- B. 27 cm
- C. 57 cm
- D. 72 cm

13. The graph below shows the number. of cows farmer sold from January to May. Study it carefully and answer the question.



What was the total number of cows sold in the 5 months?

- A. 185
- B. 235
- C. 205
- D. 230

14. If $3\frac{2}{5} = \frac{?}{5}$, the missing number in the box is.....

- A. 17
- B. 19
- C. 15
- D. 25

15. Which digit in 29.732 is in the tenths place?

- A. 2
- B. 7
- C. 3
- D. 9

16. The animal shown in the picture warns others of dangers like a tiger or leopard by



- A. Producing some chemicals
- B. Making a special warning call

- C. Dancing
- D. None of the above

17. Which one of these groups contains only animals with a backbone (vertebrates)?

- A. Earthworm, snake, crayfish
- B. Crayfish, snake, horse
- C. Roundworm, fish, earthworm
- D. Horse, snake, fish

18. The first aid which should be given to a person having snake bite is to

- A. Put ice cubes or cold water immediately on that area
- B. Clean the affected area with cotton wool soaked in an antiseptic
- C. Tie a cloth bandage tightly above the wounded area
- D. Wash the wound with potassium permanganate

19. From where does our body get the water it needs?

- A. From the water that we drink
- B. From other liquids that we drink
- C. From the food that we eat
- D. All of these

20. If you were a gardener, what would you plant to grow a new plant of potato?

- A. Root
- B. Seed
- C. Leaf
- D. Tuber

21. Which of the following foods will remain fresh for 1-2 days when kept in a dry open place?

- A. Milk
- B. Onion, garlic
- C. Cooked rice
- D. Spinach

22. What is INCORRECT regarding water?

- A. Water is used for generating electricity
- B. Pure form of water is distilled water
- C. Condensation and evaporation are the same
- D. Water is a good solvent

23. Read the experiment and answer. In three 500 mL beakers, Ahmed put melted ice water, room-temperature water, and hot water. He put a thermometer into each beaker and recorded the temperature. He carefully placed a single drop of blue food coloring in the center of the surface of the water in each beaker. He planned to take observations at 5 minutes, 10 minutes, 20 minutes, and 30 minutes.

What does Ahmed's experiment model shows?

- A. Diffusion
- B. Conduction
- C. Chemical reaction
- D. Air masses

24. Which of the following can result from an earthquake?

- A. New mountains
- B. Heavy snow
- C. New plates
- D. None of these

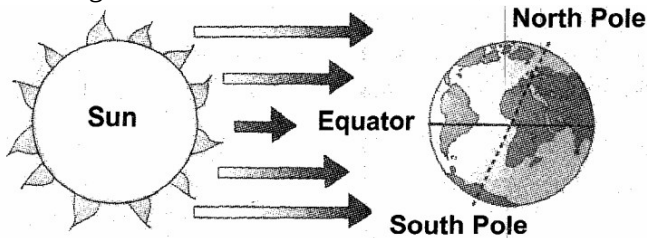
25. Shifting cultivation practiced in India is called

- A. Sawani
- B. Jhum
- C. Harhi
- D. All of these

26. Two planets in our solar system have volcanoes. One is Earth, other is

- A. Saturn
- B. Mercury
- C. Neptune
- D. Venus

27. Imagine that the earth is tilted on its axis, as shown in the figure.



The tilt of Earth around its axis causes

- A. Seasons
- B. Frozen continent at North pole
- C. Day and Night
- D. None of these

28. Identify the INCORRECT statement from the following

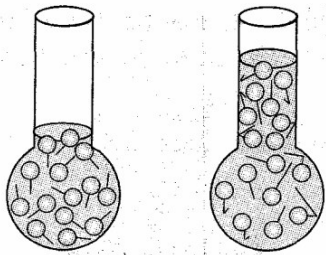
- A. Matter exists in three forms
- B. Matter can be changed from one form to another
- C. A new substance is formed in a chemical change
- D. Ice is heavier than water

29. Which one of the following objects will sink in water?



- A. 
- B. 
- C. 
- D. None of these

30. Shweta drew these pictures to show how a thermometer works. When something gets hotter, what happens?



- A. More molecules are created
- B. The molecules get closer
- C. The mass of the matter becomes greater
- D. Matter expands to fill more space

31. Latika's parents can both play piano. When Latika grows up, she may not know how to play the piano. This is because

- A. Playing the piano is automatic behaviour
- B. Playing the piano is a learned behaviour
- C. Playing the piano is an inherited trait
- D. None of the above

32. Which of the following is/are source(s) of heat?

(i) Sun (ii) Wind (iii) Shadow (iv) Electricity

- A. (i) only
- B. (ii) only
- C. (i) & (iii)
- D. (i) & (iv)

33. Indian Pincode number is a _____

- A. 5 digit number
- B. 6 digit number
- C. 4 digit number
- D. 8 digit number

34. Which of the following is not a planet?

- A. Earth
- B. Venus
- C. Mercury

D. Moon

35. Which one of the following statements is correct?

- A.** Planets revolve around the sun
- B.** Planets revolve around the moon
- C.** Sun revolves around the planet
- D.** Moon revolves around the sun

36. Which path shows how humans might get energy from the sun?

- A.** Sun → cow → human
- B.** Sun → cow → grass → human
- C.** Sun → grass → cow → human
- D.** Sun → grass → sheep → cow → human

37. Which of the following is the next phase of the moon ?



- A.**
- B.**
- C.**
- D.**

38. The simple instrument shown here is used to measure ____



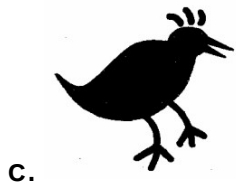
- A.** Wind speed
- B.** Temperature
- C.** Air pressure
- D.** Precipitation

39. Which of these is not an organ?

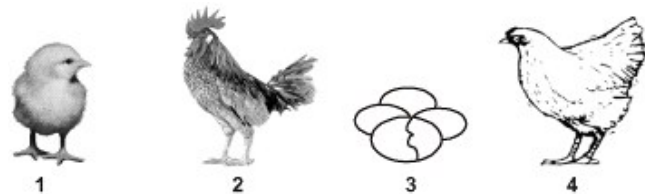
- A.** Heart

- B. Blood
- C. Brain
- D. Intestine

40. Which one of these living things makes food from the sun?



41. Given below are the figures which show how a chicken grows. Which of the following sequences is correct?



- A. 1 - 2 - 3 - 4
- B. 2 - 3 - 4 - 1
- C. 3 - 4 - 2 - 1
- D. 3 - 1 - 4 - 2

42. Seeds which have wings and tufts of hair on them are dispersed by _____.

- A. Explosion
- B. Air
- C. Water
- D. Animals

43. Joyita is making toast for breakfast and the bread gets stuck in the toaster. She gets a metal fork to pull the bread out. What is most important for her to do before she pulls the toast out of the toaster ?

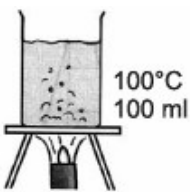
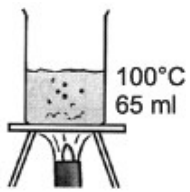
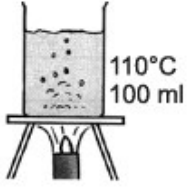
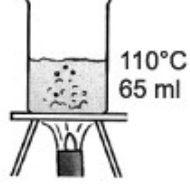
- A. Wash her hands

- B. Turn the toaster upside down
- C. Unplug the toaster
- D. Wait until the toast has reached room temperature

44. Which one of the following is the effect of water pollution ?

- A. Decrease in population of aquatic life
- B. Increase in population of trees
- C. Increase in population of land animals
- D. No major changes in the balance of the environment

45. Amit continued to heat 100 ml of pure water for 15 minutes after it reached boiling point. Which of the following figures shows the result at the end of the experiment?

- A.  100°C
100 ml
- B.  100°C
65 ml
- C.  110°C
100 ml
- D.  110°C
65 ml

46. Which property of an object allows it to bend?

- A. Color
- B. Flexibility
- C. Mass
- D. Size

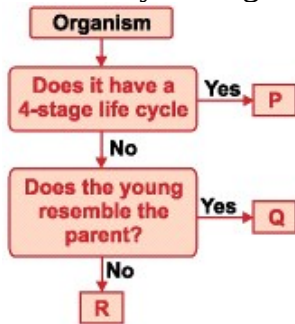
47. Which of the following is an example of precipitation?

- A. Water from the rivers enters the ocean.
- B. Water from the clouds falls to the ground
- C. Water in a puddle seeps into the ground.
- D. Water in a cup evaporates on heating.

48. What happens to a mug of hot water when we leave it in the refrigerator?

- A. It gains heat from the surroundings and cools down.
- B. It loses heat to the surroundings and cools down.
- C. It gains heat from the surroundings and maintains its temperature.
- D. It loses heat to the surroundings and maintains its temperature.

49. Identify the organisms P, Q and R on the basis of the given flowchart.



A. P	Butterfly
Q	Cockroach
R	Grasshopper

B. P	Q	R
Mosquito	Chicken	Bear

C. P	Q	R
Butterfly	Whale	Frog

D. P	Q	R
Ant	Fruit fly	Spider

50. Match Column-I with Column-II and select the correct option from the codes given below.

Column-I	Column-II
(a) Brain	(i) Nervous system
(b) Kidney	(ii) Skeletal system
(c) Skin	(iii) Sensory system
(d) Bones	(iv) Excretory system

- A. (a)-(iv), (b)-(i), (c)-(ii), (d)-(iii)
- B. (a)-(iii), (b)-(ii), (c)-(iv), (d)-(i)
- C. (a)-(i), (b)-(iv), (c)-(iii), (d)-(ii)
- D. (a)-(ii), (b)-(i), (c)-(iii), (d)-(iv)