1. What is the unit shape used for the given tessellation?

(A) □  (B) △
(C) △  (D) △

2. How many cubes must be added to solid A so that it becomes solid B?

(A) 8  (B) 19  (C) 11  (D) 27

3. In the figure below, which two lines are perpendicular to AE?

(A) AB and BC  (B) AB and DE
(C) BC and CD  (D) DE and CD
What is the difference between the areas of figures X and Y?

(A) 2 sq. units  
(B) 3 sq. units  
(C) 5 sq. units  
(D) 1 sq. unit

The end point B of the line is joined to the A dot to get $\angle B = 86^\circ$. Identify the dot.

(A) P  
(B) Q  
(C) R  
(D) S
The food items shown in the figure are sources of mainly

(A) fats.   (B) carbohydrates.
(C) proteins.   (D) vitamins.

The controlling centre of the body is

(A)   (B)

(C)   (D)

Observe the figure given below and identify the type of lever.

(A) (I) class lever   (B) (II) class lever
(C) (III) class lever   (D) All of the above
1. By looking at a plant in the garden, Rohan came to know that it has fibrous roots. What led Rohan to this conclusion?
   (A) Arrangement of flowers on stem  
   (B) Arrangement of branches on the stem  
   (C) Number of fruits on the plant  
   (D) Type of venation on the leaves

2. Observe the given Venn diagram. Which alphabet represents Frog?

```
Breathes through lungs

Q

Lays eggs

Y

Z

X

Y

Z

R

Breathes through gills

P

(A) Y  (B) X

(C) Z  (D) P
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How many spokes are there in the Ashoka Chakra on Indian flag?  
(A) 12 (B) 24 (C) 10 (D) 15

Identify the given cartoon character from a famous TV Series.  
(A) Dorami (B) Wilma (C) Merida (D) Shizuka

Which gas is responsible for the global warming?  
(A) Nitrogen (B) Noble gases (C) Carbon dioxide (D) Sulphates

Which company has the tag line 'I'm loving it'?  
(A) KFC (B) Domino's (C) McDonald's (D) Pizza hut

What does the acronym IPL stand for?  
(A) Indian Premier League (B) Indian Primary League (C) International Prominent League (D) International Premier Liberation