

CLASS:IX





In the given graph,  $\triangle$  ABC and  $\triangle$  ABD are equilateral triangles.



Find the respective coordinates of points C and D.

(A)  $(0, a\sqrt{3})(0, a\sqrt{3})$  (B)  $(0, -a\sqrt{3})(0, a\sqrt{3})$ (C)  $(0, a\sqrt{3})(0, -a\sqrt{3})$  (D)  $(a\sqrt{3}, 0)(-a\sqrt{3}, 0)$ 



In the given figure, ABCD is a parallelogram and L is the mid-point of DC. If ar (ABCL) is 72 cm<sup>2</sup>, find ar (ADC).



Sample Questions





## CLASS:IX



## Identify the pair of substances having the same formula unit mass.

- (A) Calcium chloride, potassium carbonate
- (B) Calcium oxide, hydrochloric acid
- (C) Carbon monoxide, ammonia
- (D) Carbon dioxide, nitrous oxide



All materials were made of four 'elements', namely, fire,

air, earth and water. Each of these four elements contained two of the four properties of hot, cold, wet and dry.



Which key gives the correct properties of all the four 'elements' ?

	Fire	Air	Earth	Water
(A)	Hot, cold	Wet, dry	Wet, cold	Hot, wet
(B)	Hot, dry	Wet, dry	Hot, cold	Wet, cold
(C)	Hot, cold	Dry, wet	Cold, hot	Dry, wet
(D)	Hot, dry	Dry, cold	Cold, wet	Wet, hot

Sample Questions





