



# MATHS

## BOOKS - ICSE

### REPRESENTING 3 - D IN 2- D

#### Exercise 20 A

1. State whether true (T) or false (F) :

A cube has 8 edges .



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2. State whether true (T) or false (F) :

A cuboid has more edges than vertices .



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3. State whether true (T) or false (F) :

A cube has all edges equal.



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4. State whether true (T) or false (F) :

A cone has only one face .



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5. State whether true (T) or false (F) :

A cylinder has only one vertex.



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6. State whether true (T) or false (F) :

A cylinder has two flat faces .



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7. Give two examples of each one of :

a cuboid



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**8.** Give two examples of each one of :

a cube



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**9.** Give two examples of each one of :

a cylinder



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**10.** Give two examples of each one of :

a cone



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**11.** Fill in the blanks :

A cuboid has ..... lateral faces.



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**12.** Fill in the blanks :

The number of edges in a cube is ..... .



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**13.** Fill in the blanks :

A cylinder has faces . The number of flat faces is .... And that of curved faces is ..... .



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**14.** Fill in the blanks :

A cylinder has .....edges.



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**15.** Fill in the blanks :

A cone has one ..... Face and one .... Face .



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**16.** Fill in the blanks :

A cuboid has six ....faces.



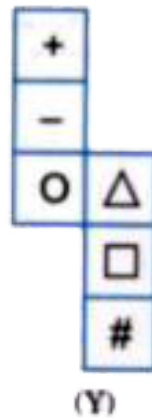
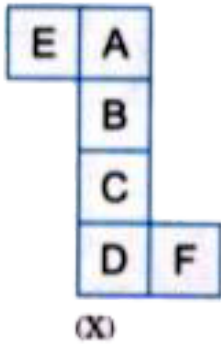
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**17.** Draw any four possible nets for a cube .



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**18.** Analyse the following nets of cubes and fill  
in the blanks :



When Net (X) is folded to form a cube :

(i) A lies opposite .....

(ii) F lies opposite .....

When Net (Y) is folded to form a cube :

(iii)  $\Delta$  lies opposite .....

(iv)  $\square$  lies opposite .....



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## Exercise 20 B

1. Draw a map to guide your friend telling him the way from his home to the venue of your birthday party. Use suitable symbols.



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