EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Understanding 3D and 2D Shapes

Grade : SSC Grade VI

1. The number of faces in a cube/cuboid are

   (i) 6 (ii) 4 (iii) 9 (iv) 5 (v) 7

2. The number of vertices in a cube/cuboid are

   (i) 7 (ii) 9 (iii) 11 (iv) 8 (v) 6

3. How many sides does a hexagon have?

   (i) 8 (ii) 7 (iii) 5 (iv) 4 (v) 6

4. Consider the following figure. State which of the following statements are true

   a) $\overline{IJ} = \overline{JK}$

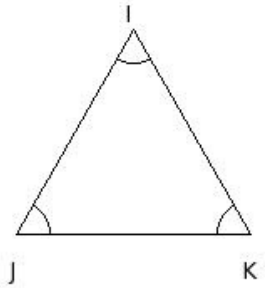
   b) $\overline{JK} = \overline{KI}$

   c) $\overline{KI} = \overline{IJ}$

   d) $\overline{IJ} \neq \overline{JK}$

   e) $\overline{KI} \neq \overline{IJ}$

   f) $\overline{JK} \neq \overline{KI}$



   (i) {f,d,c} (ii) {a,b,c} (iii) {d,a} (iv) {e,b} (v) {e,a,b}

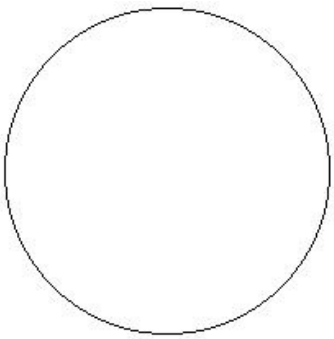
5. The number of faces in a triangular pyramid are

   (i) 4 (ii) 3 (iii) 2 (iv) 6 (v) 5

6. How many sides does a decagon have?

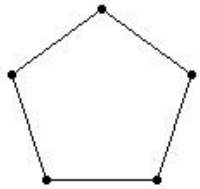
   (i) 8 (ii) 10 (iii) 9 (iv) 12 (v) 11

7. Identify the figure below



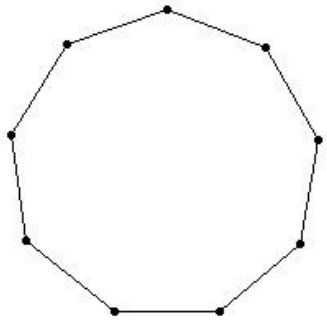
   (i) quadrilateral (ii) decagon (iii) triangle (iv) nonagon (v) circle

8. Identify the figure below



(i) pentagon (ii) heptagon (iii) triangle (iv) quadrilateral (v) hexagon

9. Identify the figure below

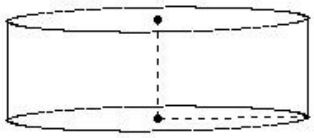


(i) triangle (ii) decagon (iii) hexagon (iv) heptagon (v) nonagon

10. The number of vertices in a triangular prism are

(i) 9 (ii) 3 (iii) 5 (iv) 7 (v) 6

11. Identify the figure below

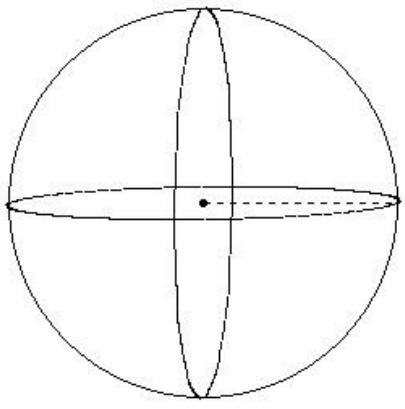


(i) triangular prism (ii) sphere (iii) cuboid (iv) cylinder (v) cube

12. How many sides does a heptagon have?

(i) 5 (ii) 9 (iii) 8 (iv) 7 (v) 6

13. Identify the figure below

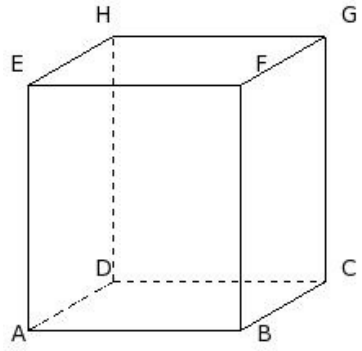


(i) cylinder (ii) cuboid (iii) cube (iv) sphere (v) triangular prism

14. A polygon with 8 sides is called an

(i) triangle (ii) octagon (iii) hexagon (iv) pentagon (v) decagon

15. Identify the figure below



(i) cube (ii) cuboid (iii) cone (iv) sphere (v) cylinder

16. How many sides does a triangle have?

(i) 4 (ii) 6 (iii) 2 (iv) 3 (v) 1

17. A polygon with 5 sides is called a

(i) decagon (ii) pentagon (iii) nonagon (iv) hexagon (v) octagon

18. Consider the following figure. State which of the following statements are true

a) $\overline{GH} \neq \overline{HF}$

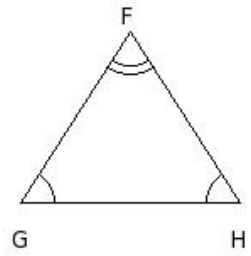
b) $\overline{FG} = \overline{GH}$

c) $\overline{FG} \neq \overline{GH}$

d) $\overline{HF} \neq \overline{FG}$

e) $\overline{HF} = \overline{FG}$

f) $\overline{GH} = \overline{HF}$



(i) {f,b,e} (ii) {a,c,e} (iii) {d,a,c} (iv) {d,c} (v) {b,a}

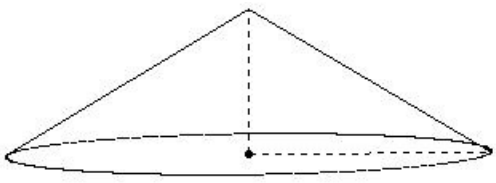
19. A polygon with 9 sides is called a

(i) nonagon (ii) hexagon (iii) pentagon (iv) quadrilateral (v) heptagon

20. The number of edges in a square pyramid are

(i) 6 (ii) 9 (iii) 7 (iv) 10 (v) 8

21. Identify the figure below

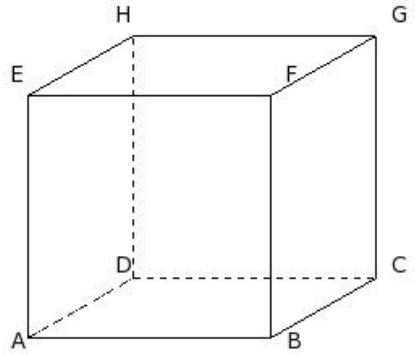


(i) triangular prism (ii) sphere (iii) cube (iv) cylinder (v) cone

22. The number of vertices in a square pyramid are

(i) 5 (ii) 8 (iii) 4 (iv) 6 (v) 2

23. Identify the figure below



(i) cube (ii) triangular prism (iii) cylinder (iv) cuboid (v) cone

24. Consider the following figure. State which of the following statements are true

a) $\overline{RP} = \overline{PQ}$

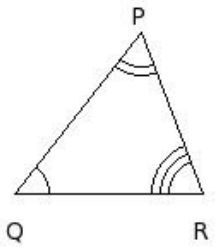
b) $\overline{PQ} = \overline{QR}$

c) $\overline{RP} \neq \overline{PQ}$

d) $\overline{QR} = \overline{RP}$

e) $\overline{PQ} \neq \overline{QR}$

f) $\overline{QR} \neq \overline{RP}$



(i) {a,c} (ii) {b,c,e} (iii) {b,e} (iv) {c,e,f} (v) {d,a,f}

25. The number of faces in a triangular prism are

(i) 5 (ii) 8 (iii) 2 (iv) 4 (v) 6

Assignment Key

1) (i)	2) (iv)	3) (v)	4) (ii)	5) (i)	6) (ii)
7) (v)	8) (i)	9) (v)	10) (v)	11) (iv)	12) (iv)
13) (iv)	14) (ii)	15) (ii)	16) (iv)	17) (ii)	18) (ii)
19) (i)	20) (v)	21) (v)	22) (i)	23) (i)	24) (iv)
25) (i)					