EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Understanding 3D and 2D Shapes

Grade : SSC Grade VI

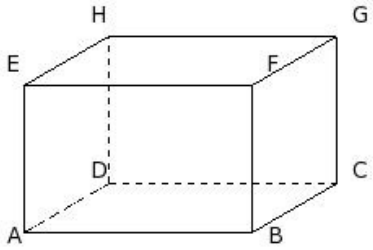
1. A polygon with 4 sides is called a

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

2. A polygon with 10 sides is called a

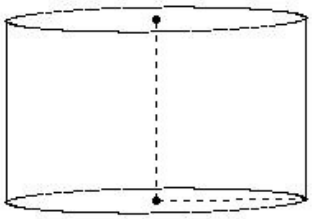
   (i) heptagon (ii) octagon (iii) triangle (iv) hexagon (v) decagon

3. Identify the figure below



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

4. Identify the figure below



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

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

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

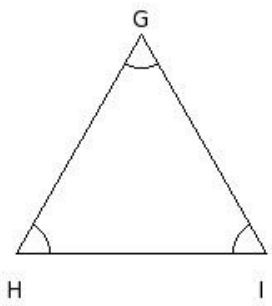
   b) $\overline{HI} = \overline{IG}$

   c) $\overline{GH} = \overline{HI}$

   d) $\overline{IG} = \overline{GH}$

   e) $\overline{HI} \neq \overline{IG}$

   f) $\overline{GH} \neq \overline{HI}$



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

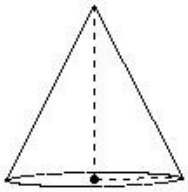
6. How many sides does a nonagon have?

(i) 11 (ii) 10 (iii) 6 (iv) 8 (v) 9

7. The number of edges in a square pyramid are

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

8. Identify the figure below



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

9. The number of vertices in a triangular pyramid are

(i) 2 (ii) 5 (iii) 3 (iv) 4 (v) 7

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

a) $\overline{BC} \neq \overline{CD}$

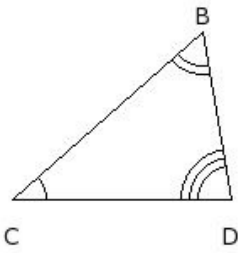
b) $\overline{DB} \neq \overline{BC}$

c) $\overline{DB} = \overline{BC}$

d) $\overline{CD} \neq \overline{DB}$

e) $\overline{BC} = \overline{CD}$

f) $\overline{CD} = \overline{DB}$



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

11. A polygon with 9 sides is called a

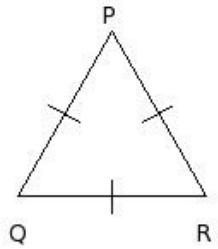
(i) triangle (ii) octagon (iii) pentagon (iv) hexagon (v) nonagon

12. The number of edges in a cube/cuboid are

(i) 10 (ii) 13 (iii) 11 (iv) 14 (v) 12

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

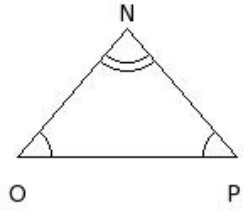
a) $\angle P = \angle Q$
b) $\angle R \neq \angle P$
c) $\angle R = \angle P$
d) $\angle Q = \angle R$
e) $\angle P \neq \angle Q$
f) $\angle Q \neq \angle R$



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

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

a) $\overline{NO} = \overline{OP}$
b) $\overline{NO} \neq \overline{OP}$
c) $\overline{PN} \neq \overline{NO}$
d) $\overline{PN} = \overline{NO}$
e) $\overline{OP} = \overline{PN}$
f) $\overline{OP} \neq \overline{PN}$



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

15. A polygon with 5 sides is called a

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

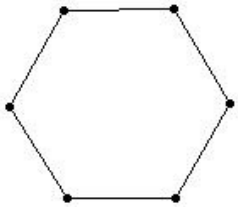
16. How many sides does an octagon have?

(i) 11 (ii) 5 (iii) 7 (iv) 9 (v) 8

17. Which of the following is a regular polygon with four sides?

(i) parallelogram (ii) rhombus (iii) trapezium (iv) square (v) rectangle

18. Identify the figure below



(i) heptagon (ii) hexagon (iii) angle (iv) circle (v) octagon

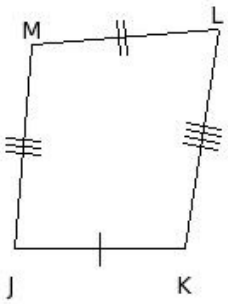
19. The number of faces in a triangular pyramid are

(i) 3 (ii) 4 (iii) 1 (iv) 5 (v) 7

20. How many sides does a decagon have?

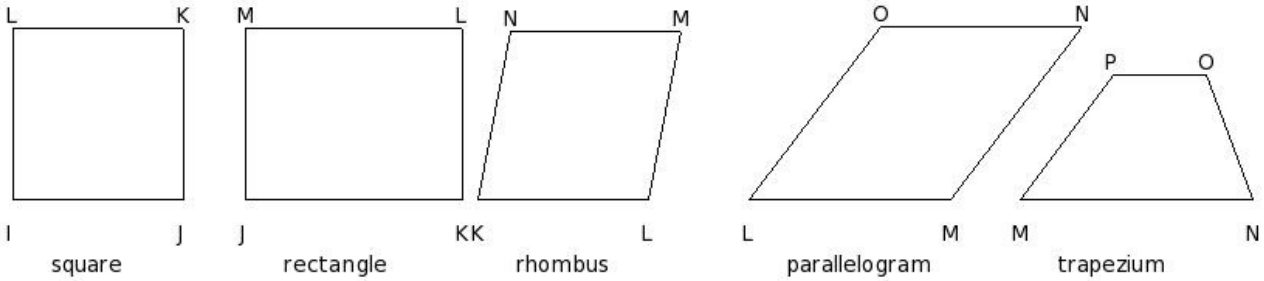
(i) 8 (ii) 11 (iii) 9 (iv) 13 (v) 10

21. Identify the figure below



(i) angle (ii) decagon (iii) hexagon (iv) quadrilateral (v) triangle

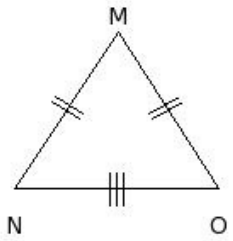
22. Which of the following figures is a regular quadrilateral?



(i) trapezium (ii) square (iii) rectangle (iv) parallelogram (v) rhombus

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

a) $\angle N \neq \angle O$
b) $\angle O = \angle M$
c) $\angle N = \angle O$
d) $\angle O \neq \angle M$
e) $\angle M \neq \angle N$
f) $\angle M = \angle N$

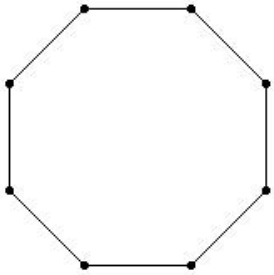


(i) {b,d} (ii) {b,c,d} (iii) {a,c} (iv) {f,a,e} (v) {c,d,e}

24. The number of vertices in a triangular prism are

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

25. Identify the figure below



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

Assignment Key

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