EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Understanding Elementary Shapes

Grade : CBSE Grade VI

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1. Multiple lines which pass through the same point are called

   (i) coplanar lines (ii) intersecting lines (iii) parallel lines (iv) concurrent lines (v) perpendicular lines

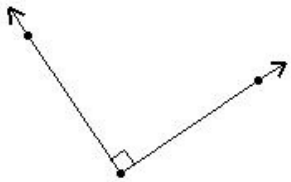
2. A line that intersects two lines at two different points is called

   (i) parallel lines (ii) transversal (iii) concurrent lines (iv) perpendicular lines (v) coplanar lines

3. Name all quadrilaterals whose diagonals are equal

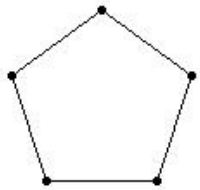
   (i) rectangle,rhombus (ii) square,parallelogram (iii) square,rhombus (iv) square,kite (v) square,rectangle

4. The following angle represents



   (i) right angle (ii) complete angle (iii) straight angle (iv) acute angle (v) reflex angle

5. Identify the figure below



   (i) nonagon (ii) decagon (iii) pentagon (iv) triangle (v) angle

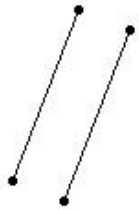
6. Multiple lines which do not meet each other are called

   (i) intersecting lines (ii) perpendicular lines (iii) coplanar lines (iv) parallel lines (v) concurrent lines

7. Which of the following is an acute angle?

   (i) 180° (ii) 86° (iii) 299° (iv) 168° (v) 90°

8. The following lines represent



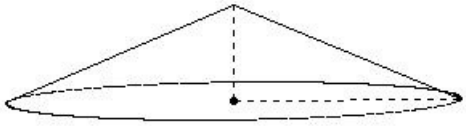
   (i) intersecting lines (ii) concurrent lines (iii) perpendicular lines (iv) coplanar lines (v) parallel lines

9. Name all quadrilaterals whose opposite sides are equal

   (i) square,rectangle (ii) parallelogram,square,rhombus,rectangle (iii) square,rhombus

   (iv) square,parallelogram (v) rectangle,rhombus

10. Identify the figure below

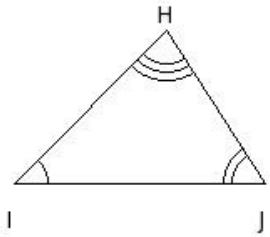


(i) triangular prism (ii) cylinder (iii) cone (iv) cuboid (v) sphere

11. The number of faces in a triangular prism are

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

12. Which of the following are measures of an acute angled triangle ?



(i) $\angle H = 40.24°$, $\angle I = 90°$, $\angle J = 49.76°$ (ii) $\angle H = 45°$, $\angle I = 90°$, $\angle J = 45°$

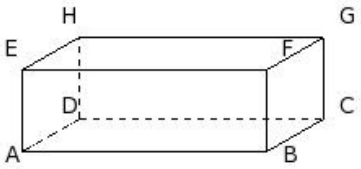
(iii) $\angle H = 110.26°$, $\angle I = 32.02°$, $\angle J = 37.72°$ (iv) $\angle H = 103.43°$, $\angle I = 45.78°$, $\angle J = 30.79°$

(v) $\angle H = 76.87°$, $\angle I = 45.57°$, $\angle J = 57.56°$

13. Where will the hour hand of a clock stop, if it starts from 5 and makes $\frac{1}{3}$ of a revolution clockwise?

(i) 9 (ii) 10 (iii) 7 (iv) 8 (v) 12

14. Identify the figure below



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

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

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

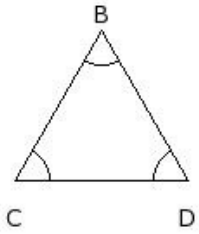
b) $\overline{BC} = \overline{CD}$

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

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

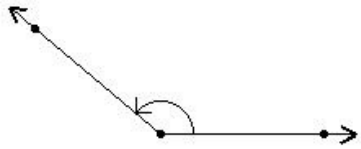
e) $\overline{DB} \neq \overline{BC}$

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



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

16. The following angle represents



(i) obtuse angle (ii) complete angle (iii) straight angle (iv) zero angle (v) right angle

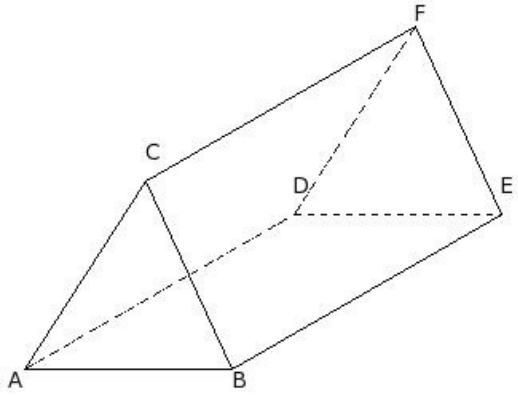
17. Which of the following are measures of an isosceles right angled triangle ?

(i) $\angle H = 47.01°$, $\angle I = 47.01°$, $\angle J = 85.98°$ (ii) $\angle H = 60°$, $\angle I = 60°$, $\angle J = 60°$

(iii) $\angle H = 45.57°$, $\angle I = 76.87°$, $\angle J = 57.56°$ (iv) $\angle H = 45°$, $\angle I = 90°$, $\angle J = 45°$

(v) $\angle H = 92.02°$, $\angle I = 41.78°$, $\angle J = 46.2°$

18. Identify the figure below



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

19. A polygon with 4 sides is called a

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

20. A polygon with 7 sides is called a

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

21. Which of the following are measures of an isosceles triangle ?

(i) IJ = 12 cm , JK = 13 cm , KI = 12 cm (ii) IJ = 12 cm , JK = 12 cm , KI = 12 cm

(iii) IJ = 15 cm , JK = 14 cm , KI = 20.52 cm (iv) IJ = 12 cm , JK = 14 cm , KI = 10 cm

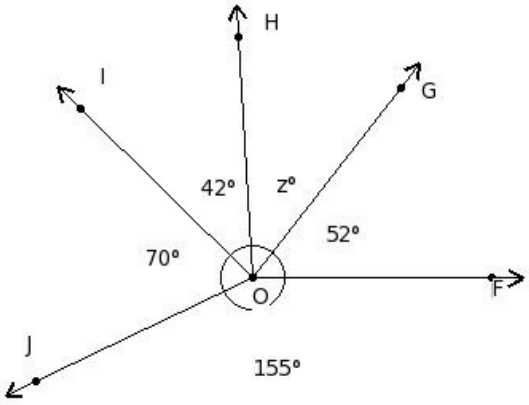
(v) IJ = 15 cm , JK = 12 cm , KI = 14 cm

22. Every rhombus is a

a) triangle
b) rectangle
c) trapezium
d) square
e) parallelogram

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

23. Find the value of 'z' in the following figure

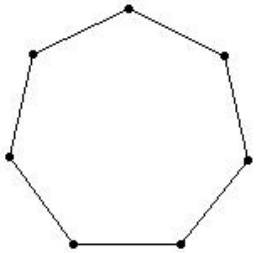


(i) 51° (ii) 46° (iii) 56° (iv) 41° (v) 71°

24. The number of vertices in a triangular pyramid are

(i) 5 (ii) 4 (iii) 3 (iv) 1 (v) 6

25. Identify the figure below



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

Assignment Key

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