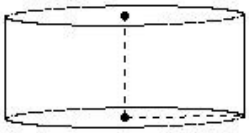
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Understanding Elementary Shapes

Grade : CBSE Grade VI

1. Identify the figure below

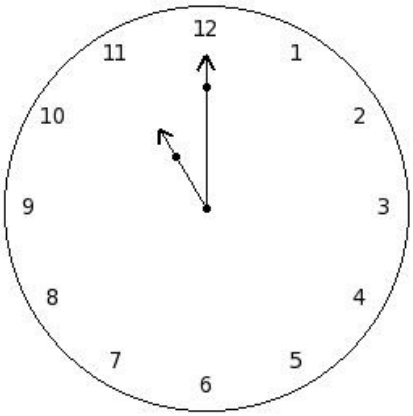


(i) sphere (ii) cuboid (iii) cube (iv) cylinder (v) cone

2. The representation $\overrightarrow{LM}$ indicates

(i) ray (ii) angle (iii) line (iv) arc (v) line segment

3. State the angle between the two hands of the clock when the time is 11 A.M.



(i) 35° (ii) 40° (iii) 30° (iv) 45° (v) 60°

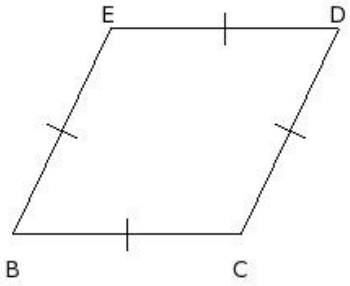
4. Find the complementary angles pair in the following

(i) 22°,58° (ii) 62°,78° (iii) 72°,88° (iv) 32°,58° (v) 42°,68°

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

(i) 11 (ii) 9 (iii) 13 (iv) 15 (v) 12

6. Identify the figure below



(i) triangle (ii) rhombus (iii) circle (iv) square (v) kite

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

(i) $\angle M = 92.02°$, $\angle N = 46.2°$, $\angle O = 41.78°$ (ii) $\angle M = 95.22°$, $\angle N = 40.12°$, $\angle O = 44.66°$

(iii) $\angle M = 47.12°$, $\angle N = 90°$, $\angle O = 42.88°$ (iv) $\angle M = 67.38°$, $\angle N = 59.49°$, $\angle O = 53.13°$

(v) $\angle M = 45°$, $\angle N = 90°$, $\angle O = 45°$

8. The number of faces in a triangular pyramid are

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

9. Name all quadrilaterals whose opposite angles are equal

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

(v) parallelogram,square,rhombus,rectangle

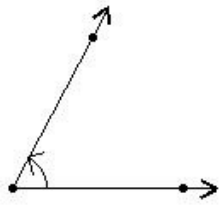
10. Which of the following are measures of an isosceles right angled triangle ?

(i) OP = 11 cm , PQ = 12 cm , QO = 13 cm (ii) OP = 13 cm , PQ = 26 cm , QO = 15 cm

(iii) OP = 15 cm , PQ = 15 cm , QO = 15 cm (iv) OP = 10 cm , PQ = 10 cm , QO = 14.14 cm

(v) OP = 15 cm , PQ = 13 cm , QO = 11 cm

11. The following angle represents



(i) acute angle (ii) obtuse angle (iii) zero angle (iv) complete angle (v) reflex angle

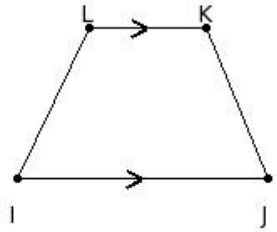
12. Which of the following are measures of an isosceles triangle ?

(i) JK = 15 cm , KL = 11 cm , LJ = 12 cm (ii) JK = 12 cm , KL = 11 cm , LJ = 12 cm

(iii) JK = 14 cm , KL = 10 cm , LJ = 17.2 cm (iv) JK = 14 cm , KL = 12 cm , LJ = 10 cm

(v) JK = 15 cm , KL = 15 cm , LJ = 15 cm

13. Identify the figure below



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

14. Consider the following figure $\overleftrightarrow{ZW}$. State which of the following statements are true?

a) Z,W are end points of line segment $\overline{ZW}$

b) Z,W are points on the line segment $\overline{VN}$

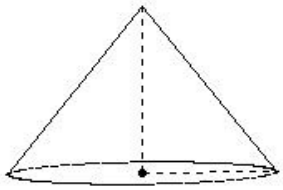
c) Z,W are end points of line segment $\overline{VN}$

d) G,N are end points of line segment $\overline{NZ}$

e) Z,V,G,W,N are points on the line $\overleftrightarrow{ZW}$

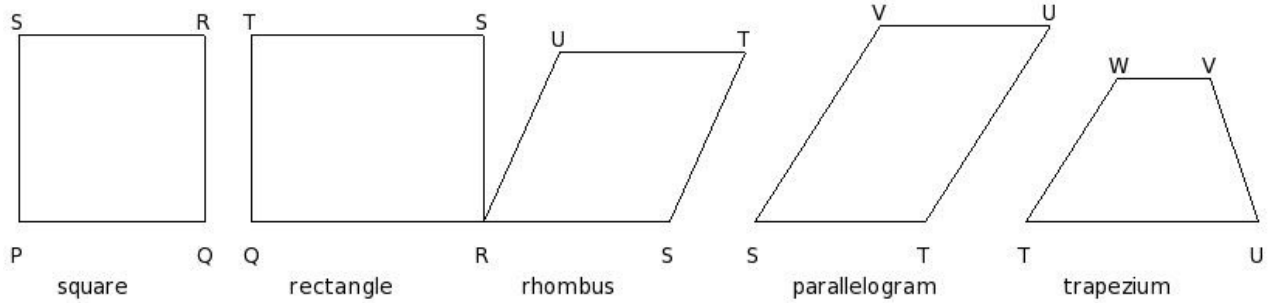
(i) {a,e} (ii) {c,e,a} (iii) {c,e} (iv) {d,b,a} (v) {b,a}

15. Identify the figure below



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

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



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

17. Which of the following is an obtuse angle?

(i) 169° (ii) 248° (iii) 360° (iv) 90° (v) 89°

18. The representation $\overleftrightarrow{LM}$ indicates

(i) line (ii) ray (iii) arc (iv) angle (v) line segment

19. Find the measures of the three angles suitable to form a triangle?

(i) $\angle N = 108.50°$, $\angle O = 93.20°$, $\angle P = 56.60°$ (ii) $\angle N = 81.20°$, $\angle O = 42.10°$, $\angle P = 84.90°$

(iii) $\angle N = 34.40°$, $\angle O = 103.80°$, $\angle P = 39.50°$ (iv) $\angle N = 57.2°$, $\angle O = 57.2°$, $\angle P = 65.6°$

(v) $\angle N = 56.90°$, $\angle O = 87.40°$, $\angle P = 69.30°$

20. How many sides does a triangle have?

(i) 0 (ii) 2 (iii) 5 (iv) 3 (v) 4

21. Name all quadrilaterals whose adjacent angles are supplementary

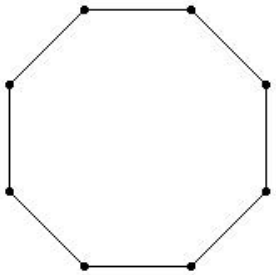
(i) parallelogram,square,rhombus,rectangle (ii) square,parallelogram (iii) square,rhombus

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

22. The following angle represents

(i) reflex angle (ii) right angle (iii) acute angle (iv) obtuse angle (v) zero angle

23. Identify the figure below



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

24. In the figure below, if $AB = 6.20$ cm and $BC = 9.80$ cm, find $AC = ?$

(i) 17.00 cm (ii) 15.00 cm (iii) 16.00 cm (iv) 18.00 cm (v) 14.00 cm

25. The number of vertices in a triangular prism are

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

Assignment Key

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