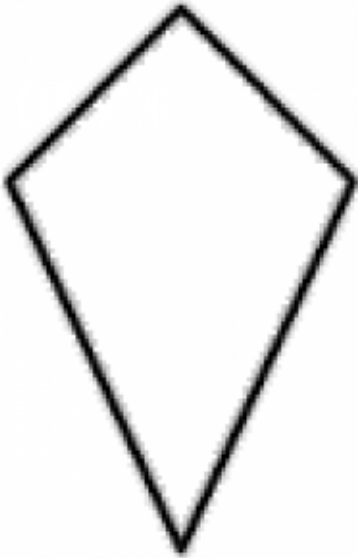


End of Chapter - Understanding elementary Shapes - I**Question 1**

Marks:1

Is this shape a trapezium.

**Question 2**

Marks:1

A housing colony plans to build a swimming pool in the shape of a Nonagon, how many sides would be there for the pool.

Question 3

Marks:1

Jacob has a piece of paper in the shape of a Decagon, how many sides would be there for the paper.

Question 4

Marks:1

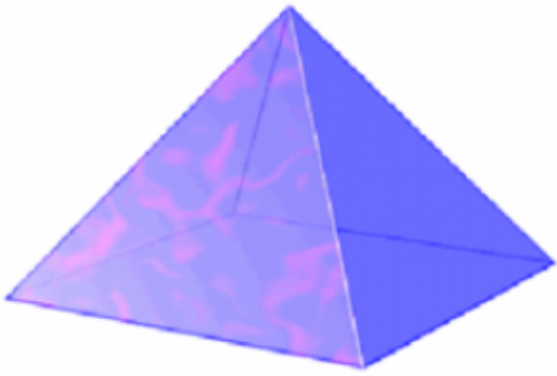
Which of the following resembles a cuboid

- A) Dice
- B) Ball
- C) Match box
- D) Cone of an ice cream

Question 5

Marks:1

Which type of pyramid is the following.



Question 6

Marks:1

Arrange the following in ascending order according to their measurements:

- a) Acute angle
- b) Obtuse angle
- c) Complete angle
- d) Reflex angle
- e) Right angle
- f) straight angle
- g) zero angle

Question 7

Marks:1

The measure of an acute angle will always be between _____

Question 8

Marks:1

Are the lines perpendicular to each other.



A)True

B)False

Question 9

Marks:1

The given lines are _____ .



Question 10

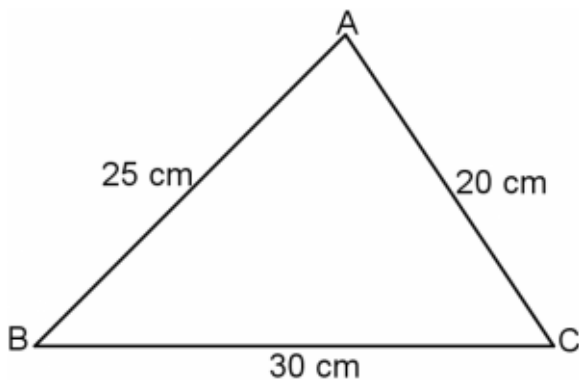
Marks:1

Identify the type of $\triangle ABC$ with sides given as $AB = 6$ cm, $BC = 8$ cm and $AC = 5$ cm.

Question 11

Marks:1

Find the perimeter of the given figure.



Question 12

Marks:1

If B is the midpoint of AC such that $AB = 4.5$ cm, then what is the length of AC.

Question 13

Marks:1

Is E the midpoint of DF.



A) True

B) False

Question 14

Marks:1

Say true or false

An equilateral triangle is also an isosceles triangle

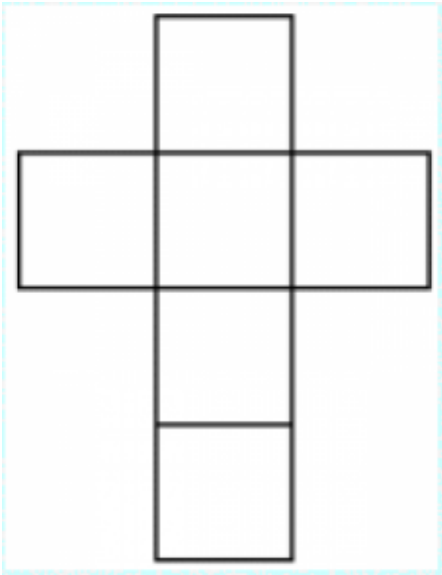
A) True

B) False

Question 15

Marks:1

The net represents which 3D shape.



A) Rectangle

B) Cuboid

C) Cube

D) Triangular Prism

Question 16

Marks:1

A line segment AB of 6 cm is cut by another line segment CD perpendicular at O.

\overline{CD} is the perpendicular bisector of \overline{AB} . Then $AO = BO = \underline{\hspace{1cm}}$ cm

Question 17

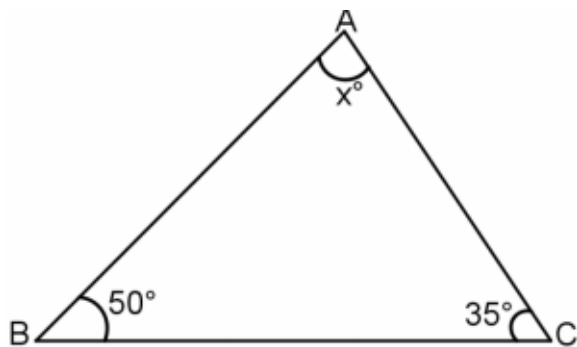
Marks:2

If the perimeter of the equilateral triangle is 81 cm, find the measure of the side of the triangle.

Question 18

Marks:2

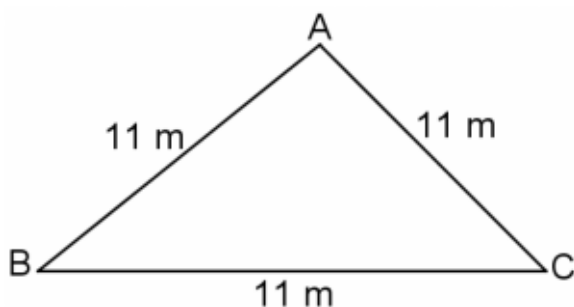
Find the value of the x° .



Question 19

Marks:2

Identify the type of triangle based on the figure:



Question 20

Marks:2

In a triangle ABC , if angle A is 33° and angle B is 45° , then what type of angle would angle C be .

Question 21

Marks:2

DE is the perpendicular bisector of BC, intersecting DE at A in such a way that $AB = 5.9$ cm. Then find the length of the line BC.

Question 22

Marks:3

SALE is a quadrilateral. Its diagonal SL divides it into two triangles.

Answer the following:

Name the two triangles

If the two triangles formed are right angled triangles .What type of quadrilateral would SALE be?

Name another diagonal of the quadrilateral

Question 23

Marks:3

Where will the hand of a clock stop if it starts at 10 and makes $\frac{3}{4}$ of a revolution in anti – clockwise direction.

Question 24

Marks:3

Consider $\triangle XYZ$, the values of $\angle Y$ and $\angle Z$ are 65° and 45° respectively.
If point A is on the line YZ such that AX bisects $\angle X$. Find the value of $\angle XAY$.

Question 25

Marks:3

If $\angle QPS$ and $\angle PSR$ are right angles, find the value of $\angle RPS$.

