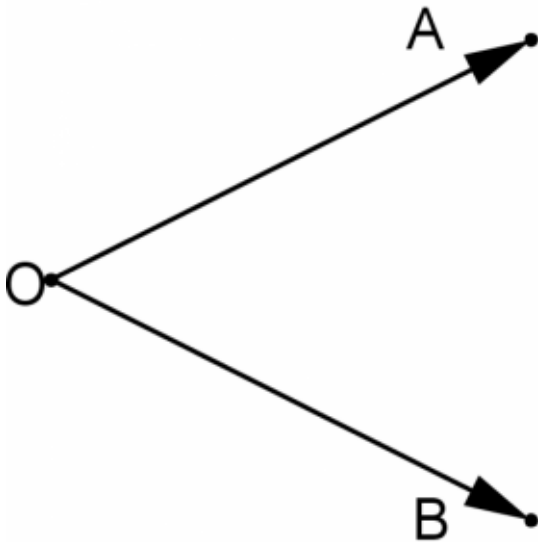


**SA-II Model Exam - II****Question 1**

Marks:1

Name the rays given in the picture

**Question 2**

Marks:1

How are the following names related ?

- a) Trapezium
- b) Parallelogram
- c) Rhombus
- d) Rectangle
- e) Square
- f) Kite

**Question 3**

Marks:1

The two diagonals of quadrilateral are  $\overline{MC}$  and  $\overline{OK}$  . Name the quadrilateral**Question 4**

Marks:1

How many capital letters of English alphabets have both vertical and horizontal line of symmetry.

**Question 5**

Marks:1

Rami has a collection of stickers, and he found that one sticker has 10 sides. What would be the shape of the sticker.

**Question 6**

Marks:1

If the perimeter of a square is 50 cm, then its side is \_\_\_\_\_.

**Question 7**

Marks:1

Find the area of a square whose side is 63 mm.

**Question 8**

Marks:1.5

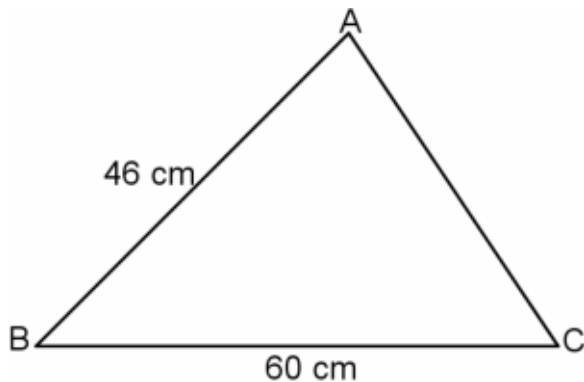
Choose the English alphabets from the following which has both vertical and horizontal lines of symmetry

- A) H
- B) A
- C) O
- D) W
- E) X

**Question 9**

Marks:2

If the perimeter of the given figure is 178 cm, find the measure of the unknown side.

**Question 10**

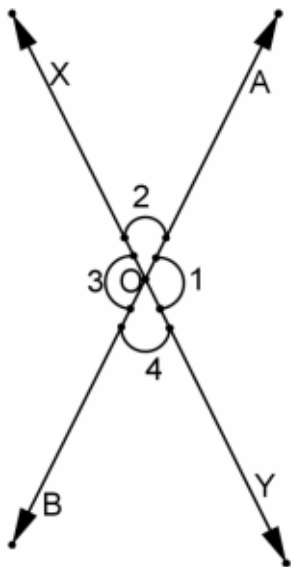
Marks:2

In a triangle PQR, if angle P is  $35^\circ$  and angle Q is  $25^\circ$ , then what type of triangle is PQR.

**Question 11**

Marks:2

Observe the figure and answer the following:



Name  $\angle 1$

Name  $\angle 2$

Name  $\angle 3$

Name  $\angle 4$

### Question 12

Marks:2

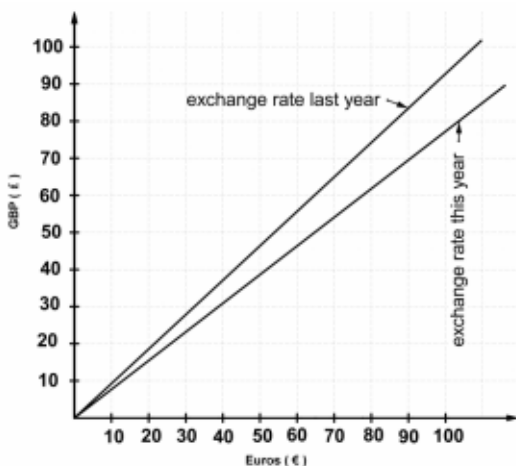
A farmer has a rectangular field of length 240 m and breadth 150 m respectively. He wants to fence it with 3 rounds of rope. If the rope costs Rs.4 per metre, then find the cost of fencing the field.

### Question 13

Marks:2

The exchange rate between Euros and Pounds is changing all the time. The graph shows the exchange rate last year and this year.

What is the value of £60 last year and this year?



**Question 14**

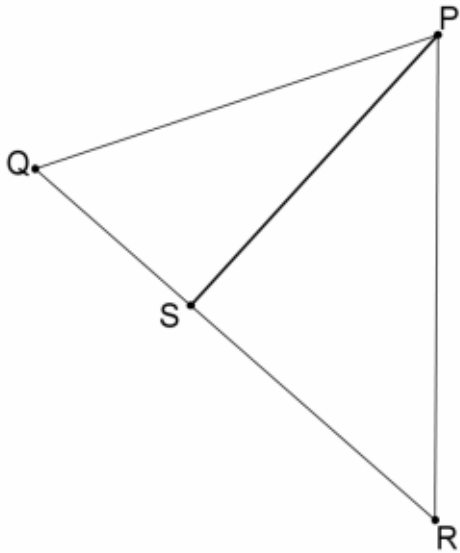
Marks:2

A farmer has a rectangular field of length 200 m and breadth 100 m respectively. He wants to fence it with 3 rounds of rope. What would be the total length of rope?

**Question 15**

Marks:3

Observe the figure and answer the following questions



Count the number of triangles in the figure

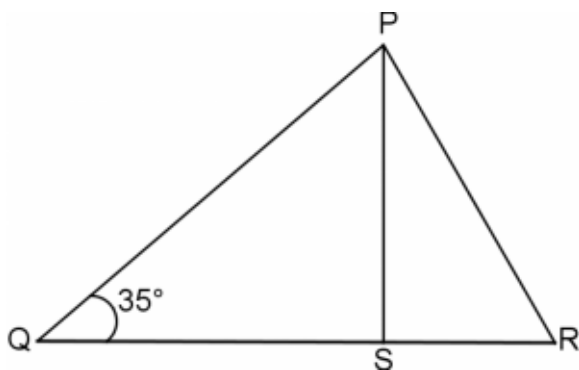
Name any two triangles

Which two triangles have  $\angle R$  in common?

**Question 16**

Marks:3

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

**Question 17**

Marks:3

In  $\triangle PQR$ ,  $\angle P$  is half of  $\angle Q$  and  $\angle R$  is thrice of angle  $\angle Q$ . Find the three angles.

**Question 18**

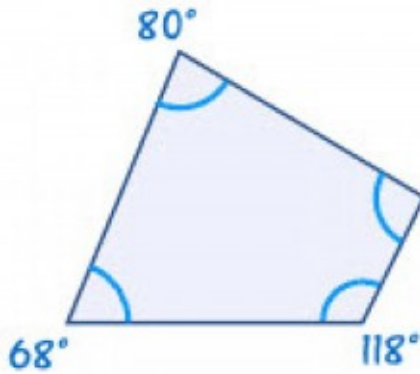
Marks:3

In  $\triangle ABC$ , sum of  $\angle A$  and  $\angle B$  is  $140^\circ$  and  $\angle C$  is twice  $\angle A$ . Find the three angles .

**Question 19**

Marks:3

Find the missing angle.

**Question 20**

Marks:3

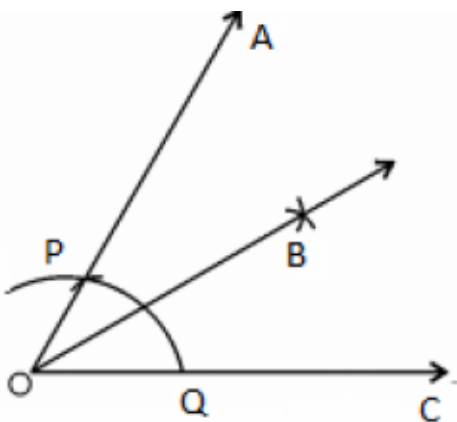
Choose the symmetrical objects from the following :

- A) KITE
- B) TREE
- C) TAJ MAHAL
- D) BUTTERFLY

**Question 21**

Marks:3

Draw  $\angle AOC = 75^\circ$ , and find its line of symmetry.

**Question 22**

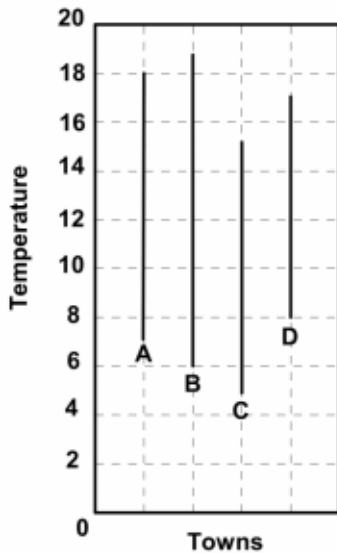
Marks:3

Write the number of lines of symmetry in each letter of the word 'ARCHIMEDES'.

**Question 23**

Marks:1

This graph shows the maximum and minimum temperatures, measured in degrees celsius, for 4 towns A, B, C and D



Which town had lowest temperature that day?

Which town had the biggest difference in temperature

How many towns were colder than 8°C

**Question 24**

Marks:4

Name the following:

A triangle having only one line of symmetry

A triangle having two lines of symmetry

A triangle having three lines of symmetry

A triangle having no lines of symmetry

**Question 25**

Marks:5

Match the following:

A (No.of lines of symmetry)	B (Shapes)
(a) 0	(1) Circle
(b) 1	(2) Equilateral triangle
(c) 2	(3) Isosceles Triangle
(d) 3	(4) Scalene Triangle
(e) Infinite	(5) Rectangle

**Question 26**

Marks:5

The following are the details of the number of students in a class of 30 present during a week.

Day	Number of Students
Monday	24
Tuesday	30
Wednesday	36
Thursday	21
Friday	27
Saturday	21

Represent it by a pictograph.

**Question 27**

Marks:4

Ravi wants to cover his room which is 3 m wide and 4 m long by squared tiles. If each square tiles is of size 0.5 m, then find the number of tiles required to cover the floor of his room.

**Question 28**

Marks:2

A square and a rectangle have equal area , if the side of a square is 24 cm and the length of the rectangle is 32 cm, find the breadth of the rectangle.