Student Name : Date : 08/05/2017

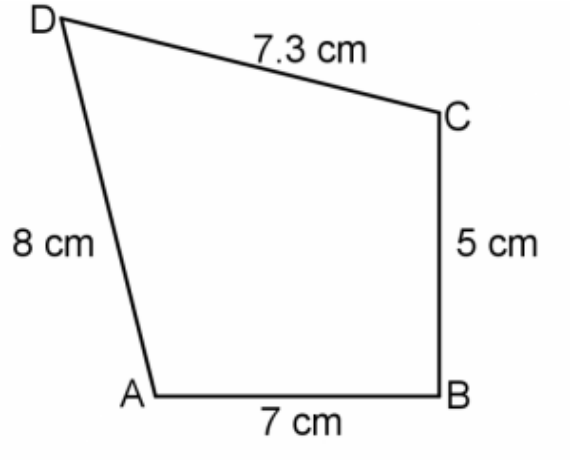
SA-II Model Exam - I

Question 1 Marks:1

Find the diameter of the circle with radius $3\frac{1}{2}$ *cm*

Question 2 Marks:1

Find the perimeter of quadrilateral of sides 8 cm, 7.3 cm, 5 cm and 7 cm.



Question 3 Marks:1

How many capital letters of English alphabets have no lines of symmetry.

Question 4 Marks:1

A polygon with 10 sides, 10 angles and 10 vertices is called ___

Question 5 Marks:1

Tamina designed a logo in the shape of an Octagon, how many sides are there for the logo.

Question 6 Marks:1.5

Write the name of the quadilateral having

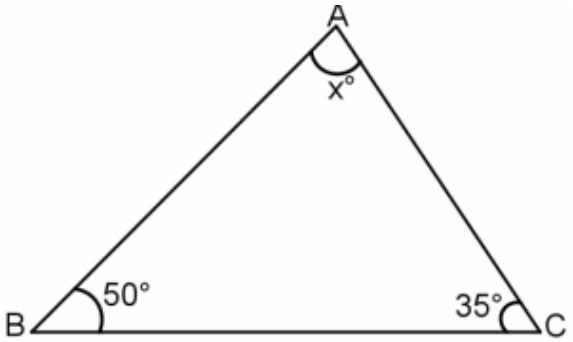
No line of symmetry.

One line of symmetry

Two lines of symmetry.

Question 7 Marks:2

Find the value of the x°.

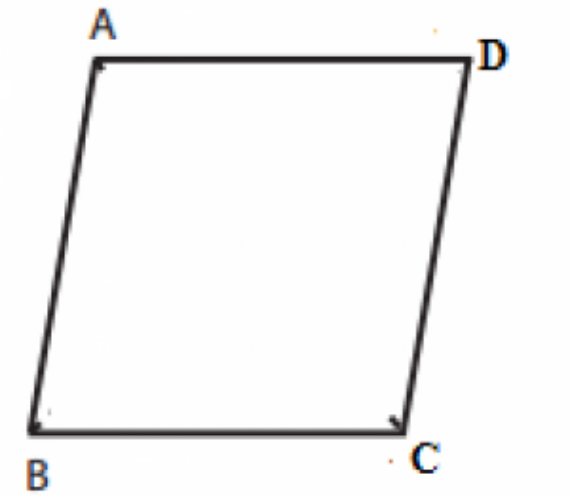


Question 8 Marks:2

In a triangle TES , if angle T is 87° and angle Q is 54°, then what type of triangle is TES.

Question 9 Marks:2

Given the perimeter of the rhombus ABCD is 48.8 cm, find the length of each side.



Question 10 Marks:2

Match the following:

Objects	No.of lines of symmetry
(1) Compass	(a) 2
(2) Divider	(b) 3
(3) Ruler	(c) 1
(4) Triangular piece with equal sides	(d) 0

Question 11 Marks:2

Choose the symmetrical objects from the following :

A) 

B) 

C) 

D) 

Question 12 Marks:2

The side of a square field is 200 m, then find the length of the fence required.

Question 13 Marks:3

If the angles of the triangle are 'a + 35, a + 50 and a + 65'. Find the value of 'a'.

Question 14 Marks:3

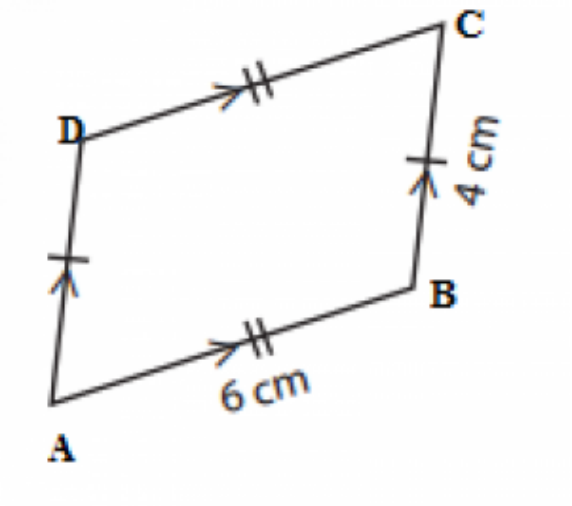
In $\triangle$ PQR, $\angle$P is one fourth of $\angle$Q and $\angle$R is 65°. Find $\angle$P and $\angle$Q .

Question 15 Marks:3

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

Question 16 Marks:3

For a parallelogram, the opposite sides are equal.
Find the perimeter of the parallelogram shown in the figure



Question 17 Marks:3

From the following choose quadrilaterals having only one line of symmetry.

A) Square

B) Kite

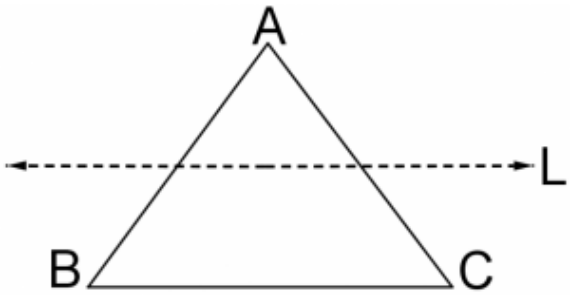
C) Arrow Head

D) Rectangle

E) Isosceles Trapezium

Question 18 Marks:3

Draw the images of the points A, B and C in the line L. Name them as A', B' and C' respectively and join them in pairs . Measure AB, BC ,CA, A'B', B'C' and C'A'.
Is AB = A'B', BC = B'C' and CA = C'A'.



Question 19 Marks:3

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

Question 20 Marks:1

This tally chart shows the number of people who entered a shopping centre during a 5 minute period one day.

	Number of People	Total
Men	𝍸 𝍸 |	11
Women	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 |||	a
Boys	𝍸 ||	b
Girls	𝍸 𝍸 𝍸 ||||	c

The value of a =

The value of b =

The value of c =

Question 21 Marks:4

Shika runs around a square of side 75 m and Priya runs around a rectangle with length 60 m and breadth 45 m. Who covers the shortest distance ?

Question 22 Marks:5

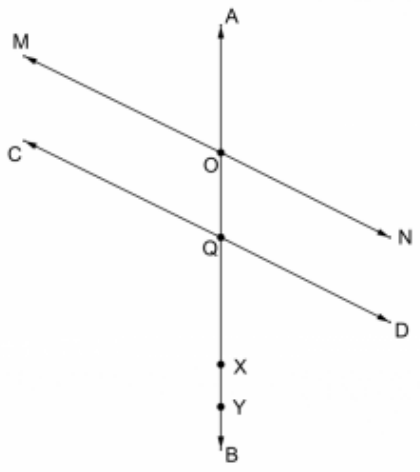
The following table shows the daily production of TV sets in an industry for 7 days of a week.

Day	Mon	Tue	Wed	Thrus	Fri	Sat	Sun
Number of TV sets	800	750	500	600	700	600	650

Represent the above data by a bar graph.

Question 23 Marks:6

Observe the figure and answer the questions:



Name any two points

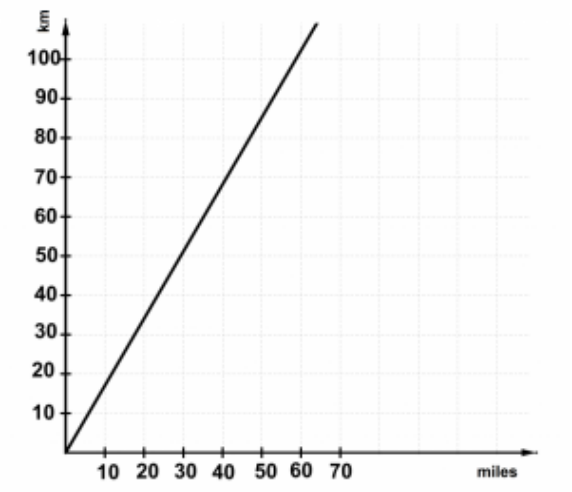
Name two rays

Name a line.

Name a line segment.

Question 24 Marks:6

Look at this conversion graph for miles and kilometres, and give the closest answer for the following:



Convert to km : 35 miles

Convert into miles : 68 km

A race is 80 km long. How many miles is that?

Question 25 Marks:1

If the area of a rectangular plot is 180 m^2 *and its length is* 15 *m, then its breadth is* _____.

Question 26 Marks:4

A floor is 5 m long and 4 m wide ,a square carpet of side 3 m is laid on the floor. Find the area of the floor that is not carpeted.

Question 27 Marks:2

What will happen to the area of a rectangle if its length is doubled and breadth is tripled?