

A. Choose the correct option.

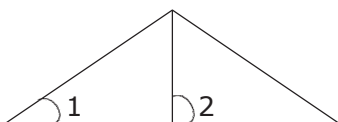
- 1) An angle whose measure is more than 0° but less than 90° is called:
a) Acute angle b) Right angle c) Obtuse angle d) Straight angle
- 2) In which type of triangle are all sides equal?
a) Scalene triangle b) Equilateral triangle
c) Isosceles triangle d) Right-angled triangle
- 3) A quadrilateral with one pair of parallel sides is called:
a) Kite b) Parallelogram c) Trapezium d) Rhombus
- 4) A quadrilateral in which opposite sides are not equal is :
a) Rectangle b) Square c) Rhombus d) Trapezium
- 5) A many-angled figure with many sides is called:
a) Rectangle b) Parallelogram c) Polygon d) Square

B. Fill in the blanks.

- 1) If the sides of a rectangle are equal, then it is a.....
- 2) If the sides of a parallelogram are equal, then it is a.....
- 3) If the angles of a parallelogram are 90° each, then it is a
- 4) If the diagonals of a rhombus are equal, then it is a.....
- 5) If the diagonals of a parallelogram are equal, then it is a.....

C. State the kind of angles numbered in the following diagrams.

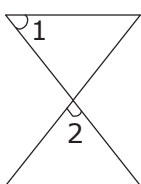
(i)



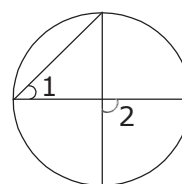
(ii)



(i)



(i)



D. Answer the following.

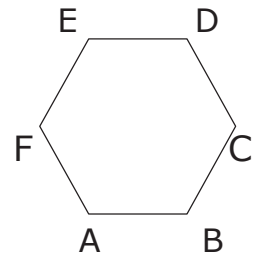
- 1) A cycle wheel has 18 spokes. What is the angle between two consecutive spokes?
- 2) How many right turns should you make to complete 2 revolutions?
- 3) How many degrees is $\frac{5}{6}$ th of a straight angle?
- 4) What is the name of the triangle with three acute angles?
- 5) Name the quadrilateral which has all its sides equal and the diagonals unequal?
- 6) How many sides does a heptagon have?
- 7) Give the number of right angles covered by the hour hand in moving from
 - a) 12 to 9
 - b) 10 to 1
 - c) 2 to 8

8) (1) A polygon has two more sides than an octagon.

What is the name of the polygon?

(2) What is the name of this shape? How

many diagonals with one end-point at C can be drawn?



- 9) The Ashoka Chakra at the centre of our national flag has 24 spokes. What is the angle between two consecutive spokes?
- 10) A triangle has each of its sides measuring 8.9 cm. What type of triangle is this?