

St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session: 2022-2023 - Worksheet

Class: VI

Subject: Mathematics

**Topic: Understanding
Elementary shapes**

Worksheet-18

Q 1) Find how many degrees are there in

(a) $2\frac{1}{2}$ right angles, (b) 1 of complete angle.

Q 2) How many right angles do you make if you start facing:

(a) South and turn anti-clockwise to east?

(b) East and turn clockwise to east?

(c) West and turn clockwise to south?

Q 3) Which direction will you face if you start facing:

(a) North and make $\frac{3}{4}$ of a revolution anti-clockwise.

(b) West and make $1\frac{1}{2}$ of a revolution clockwise?

Q 4) Classify the angles as obtuse, acute, right or reflex.

(i) 90° (ii) 30° (iii) 100° (iv) 135° (v) 210° (vi) 350°

Q 5) Where will the hand of a clock stop if it starts from:

(i) 6 and turns through one right angle?

(ii) 8 and turns through 2 right angles?

(iii) 10 and turns through 3 right angles?

(iv) 7 and turns through 2 straight angles?

Q 6) Fill in the blank:

a) An angle whose measure is greater than 0° and less than 90° is called _____ angle.

b) A triangle whose angles measure 54° , 40° and 86° is an/a _____ triangle.

c) Angle between 90° and 180° is called an _____ angle.

d) A triangle having 3 unequal sides is called a _____.

Q7) Name the type of the triangle in two different ways.

a) $\triangle ABC$ with $AB = 8.7$ cm, $AC = 7$ cm and $BC = 6$ cm $\angle A = 110^\circ$

b) $\triangle XYZ$ with $\angle Y = 90^\circ$ and $XY = YZ$.

Q 8) Where will the hour hand of a clock stop if it starts:

(i) from 7 and turns through 1 right angle?

(ii) from 11 and turns through 3 right angles?

Q 9) What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from

(a) 6 to 12 (b) 5 to 8

Q 10) The obtuse angle of an obtuse angled isosceles triangle is 120° . Find the other two angles.