

Ch-5 Understanding elementary Shapes.

Case-Study.

Mr. Roy was going for a vacation. He found a map for reaching the place but the map was not drawn.

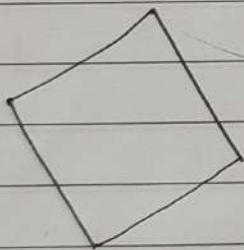
It had instructions written in the form of puzzle; It read: Go East and then make $\frac{1}{2}$ of a revolution clockwise and you move forward in the direction you face. Mr. Roy obeyed the map and reached somewhere and then he checked his watch. He saw that his watch has turned from 3 to 6. He

understood that he has to make one-fourth of a revolution in order to reach faster.

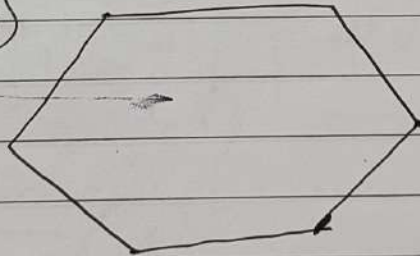
While driving he saw a railway track. He saw a train passing through the track.

The train had many images drawn on it. The images were:

(i)



(ii)



Answer the following questions based on the story:-

(i) Which direction will Mr. Roy face if he follows the instruction: Go East and then make $\frac{1}{2}$ of a revolution.

(ii) Find the number of right-angles turned through by the hour hand of the clock when it goes from 3 to 6.

(iii)

What is the meaning of one-fourth of a revolution?

(iv)

What kind of lines are represented by a railway track?

(v)

Name the images drawn on the train.