

# Activity Worksheet

Challenging brain

Sub : Science

Grade: IX

Date: .....

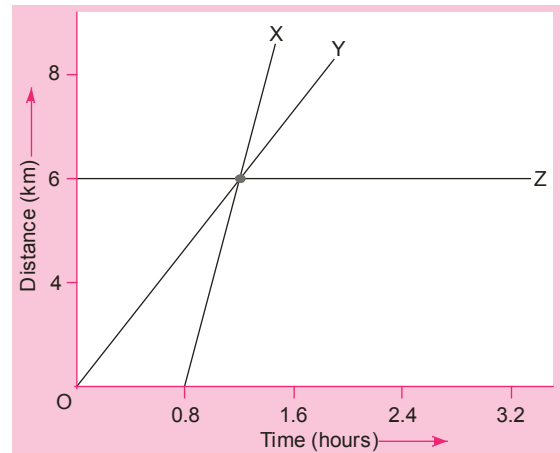
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## Graphs

**Directions:** We have seen that newspapers, magazines, etc., present information in various forms of graphs to make it interesting. Graphs are the pictorial or visual form which help in analytical interpretation of data in science and mathematics. There are different forms of graph—line, bar and pie. To study motion, we usually prefer line graph.

Figure shows the distance-time graph of three students X, Y, Z. Study the graph and answer the following questions:



- Which of the three is travelling the fastest?

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- Are all the three ever at the same point on the road?

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- How far has Z travelled when X passes Y?

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- How far has Y travelled by the time it passes X?

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