

Name: _____ Date: _____

Motion and Time

Q1. Explain how in ancient time a day, a month and a year were measured?

Ans.

Q2. What are the points that should be considered while choosing the most suitable scale for drawing a graph?

Ans.

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Q1. Explain how in ancient time a day, a month and a year were measured?

Ans. Our ancestors noticed that many events in nature repeat themselves after definite intervals of time. For example, they found that the sun rises every day in the morning. The time between one sunrise and the next was called a day. Similarly, a month was measured from one new moon to the next. A year was fixed as the time taken by the earth to complete one revolution of the sun.

Q2. What are the points that should be considered while choosing the most suitable scale for drawing a graph?

Ans. Some of the points to be kept in mind while choosing the most suitable scale for drawing a graph are:

- i. the difference between the highest and the lowest values of each quantity.
- ii. the intermediate values of each quantity, so that with the scale chosen it is convenient to mark the values on the graph, and
- iii. to utilise the maximum part of the paper on which the graph is to be drawn.