Name : _____

Date : _____

Answer all questions in the Science exercise book.

1 State the units of speed. [ ]

2 Tick (✓) the correct statements about speed.

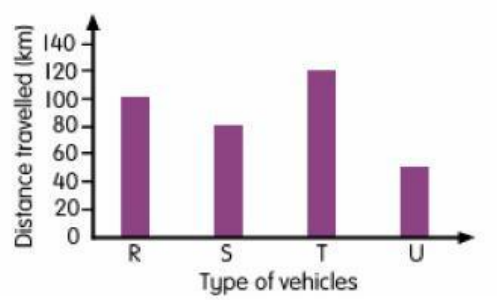
(a) Speed measures how fast an object moves from one place to another. [ ]

(b) Objects that move faster take a longer time to move within a fixed distance. [ ]

(c) Speed is the time taken by an object to move within one unit of distance. [ ]

(d) All moving objects have speed [ ]

3 The bar chart shows the distance travelled by four types of vehicles R, S, T and U in 120 minutes.



(a) Which vehicle travels the fastest and the slowest? [ ]

(b) Calculate the speed of each vehicle in km/h.

Jesy cycles to school every day at an average speed of 4 m/s.
She takes 10 minutes to reach the school.

4 Based on the statement above, answer the following questions.

(a) What is the distance between Jesy's house and the school?

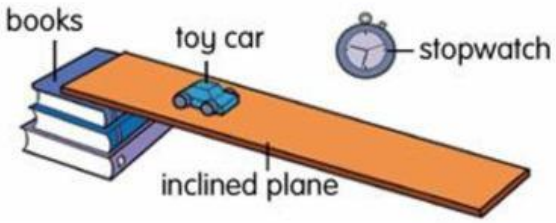
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(b) Jesy's friend also cycles to school at the same average speed. However, her house is located at a distance of 6 km from the school. What is the time taken by Jesy's friend to reach the school?

(c) One day, Jesy cycled faster, at the speed of 5 m/s. What is the time taken, in minutes, for Jesy to reach the school?

5 Speed is a measurement of how _____ an object moves from one place to another. The _____ an object moves, the _____ the distance travelled by the object within a fixed _____.

6 Sani and his friends carried out an experiment using the apparatus as shown in the picture below. The length of the inclined plane is 1 m. The result of the experiment is recorded in the table below.



Number of books	Time taken (seconds)
1	10
2	8
3	6
4	4
5	2

a) What is the aim of this experiment?

b) Based on the experiment above, state the two constant variables.

c) State the relationship between the manipulated variable and the responding variable.

d) What is the fastest speed of the toy car?

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7 An aeroplane takes three hours for a 2700 km journey. What is the speed of the plane in km/h?



_____

8 A horse runs for 60 minutes at the speed of 70 km/h. What is the distance travelled by the horse?



_____

9 A cyclist cycles at the speed of 6 m/s. Calculate the time taken, in minutes, for the cyclist to cycle 36 km.



_____

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