Do the Research

Let's boggle our brains

Sub : Science **Grade: IX** **Date: .....**

Name: ..... **ID No.....**

Topic: Motion

Directions: Research the above topic and answer the following questions.

1. At a time when it is cloudy, there may be frequent thunder and lightning. The sound of thunder takes some time to reach you after you see the lightning. Why does this happen? Measure this time interval using a digital wrist watch.

2. Ram and his sister go to school on their bicycles. Both of them start at the same time from their home, but take different times to reach the school, although they follow the same route. The following table shows the distance travelled in different times.

Time	Distance travelled by Ram (in km)	Distance travelled by sister (in km)
9:00 am	0	0
9:05 am	1	0.8
9:10 am	1.9	1.6
9:15 am	2.8	2.4
9:20 am	3.6	2.8
9:25 am	—	3.6

Study the table given above and answer the following questions:

(a) Which of the two is travelling the fastest?

(b) Are the two ever at the same point on the road?

(c) Is the motion uniform?

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