

SP6.1

Ask students to answer the following question by carrying out the experiment:

What is the relationship between the 'drop height' and the 'bounce height' of a ball? Make a prediction first before you do the experiment. Conduct trials to gather the data and to answer the question. Create a graph of the results and answer the questions: What can you say about the relationship between drop height and bounce? Was your prediction correct? Explain.

(Make sure that the ball is simply released and let the ball bounce on a hard surface. Try heights other than the ones that are in your experiment to confirm the results). (6SP3.1)

From:

http://www.ed.gov.nl.ca/edu/k12/curriculum/guides/mathematics/grade6/Mathematics_Grade6_Curriculum_Guide.pdf