

Prac: Bouncing Balls

Name: _____

Aim: _____

The aim needs to summarise what you want to learn from the prac. It starts with "To".

Equipment and Materials: (E grade)

This is a list of things you needed to do the experiment

Method:

Write a numbered list of steps that were done in this prac (C grade)

Results:

Table (D grade, C grade for efficiency and average)

Ball 1: _____

Bounce number	Height before (mm)	Height after (mm)	Efficiency (%)
1			
2			
3			

Average efficiency: _____

Ball 2: _____

Bounce number	Height before (mm)	Height after (mm)	Efficiency (%)
1			
2			
3			

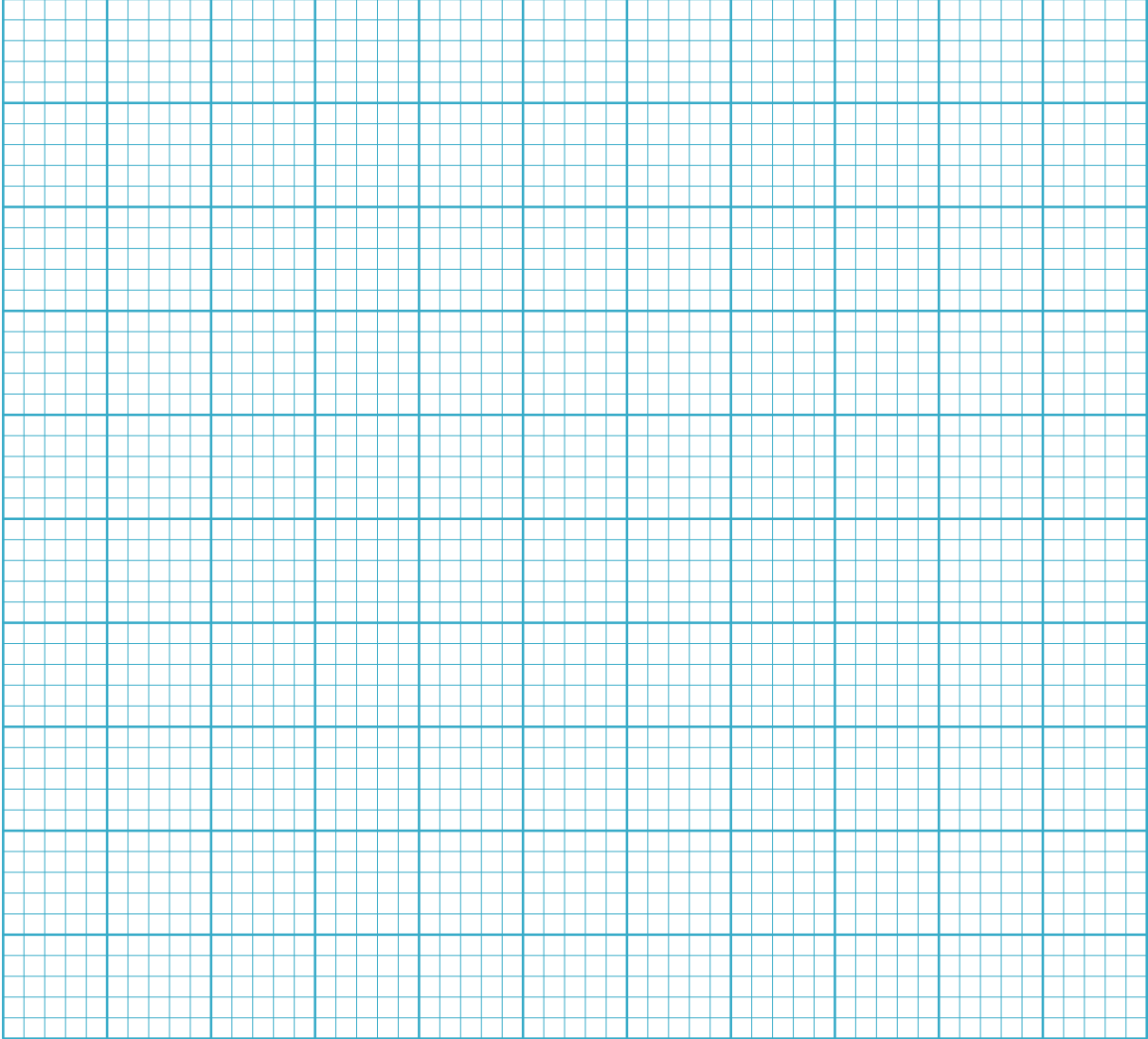
Average efficiency: _____

Ball 3: _____

Bounce number	Height before (mm)	Height after (mm)	Efficiency (%)
1			
2			
3			

Average efficiency: _____

Column Graph (C grade)
(You need a title, axis labels with units and scales)



Discussion:

1. Why did we record video instead of doing the prac in person? (C grade)

2. Which ball was the most efficient? (C grade)

3. Was there much variation in the efficiency of each bounce? Was there a trend? (B grade)

4. Try to explain the results – what caused the differences in efficiency? (B grade)

5. Can you be sure of your conclusions about which ball is most efficient? What could you do to be more sure (A grade)

6. Suggest a slightly different experiment to find out something a little different about the efficiency of bouncing balls. (A grade)

Conclusion (C grade):

Write one sentence that relates to the aim.
