

Material Matters

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Question

Which non-bouncing material will bounce the highest.

Aim

To see which non-bouncy material bounces the highest

What we are going to change

The Substance

WHAT WE ARE GOING TO KEEP THE SAME

**The height that we drop it from and the way we
video.**

Observe and Measure

How high it bounces

Hypothesise

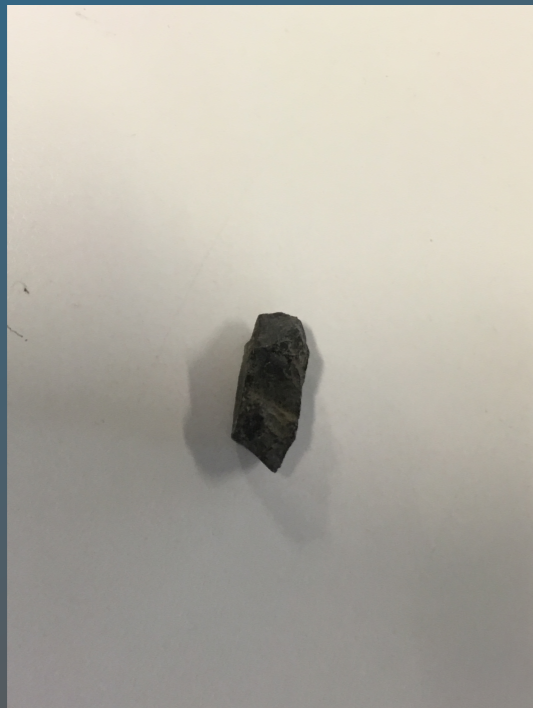
We think the cork will bounce the highest

Method

1. Sit on a chair and hold someone's hand out and drop item one from 123 centimetres high.
2. Record which item bounces the highest.
3. Use a ruler to measure how high they bounced

Videos

Rock



Videos

Cork



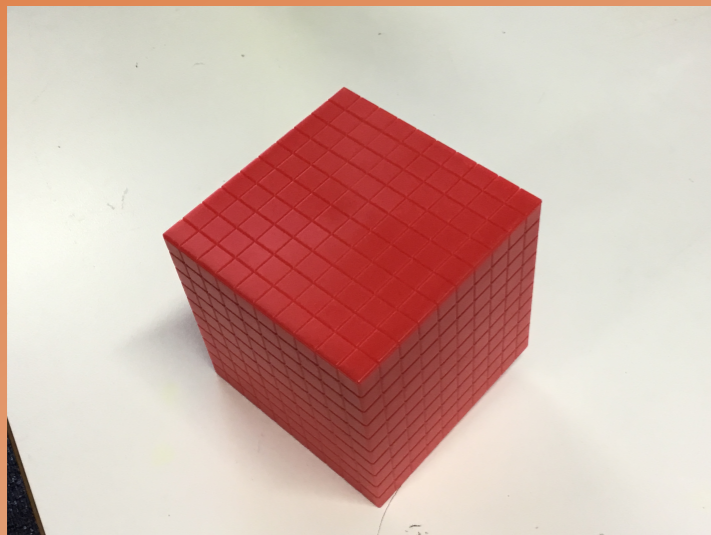
Videos

Plastic Container



Videos

M.A.B



Results

	Rock	Cork	M.A.B	Container
How high the item bounced	5cm	40cm	1cm	5cm
Overall ranking	2nd	1st	3rd	2nd

Maths sentences

1. The cork bounced the highest
2. The M.A.B bounced the lowest.
3. The cork bounced 39 centimetres higher than the M.A.B.

Conclusion

Our Hypothesis was the cork would bounce the highest.

We were correct; we guessed this because it has rubber in it.

If we were to do this experiment again we would probably, been more sensible what items we dropped.