ARISTOTLE VS GALILEO: CHALLENGE 2

Aristotle said the heavier things are, the faster they fall.

Galileo said that it is not the mass that makes a difference to how fast things fall.

Who is correct?

• Hold a single sheet of A4 paper horizontally with one hand at either end.

• Drop the paper and time its fall to the ground.

• Repeat this and record the times.

*What do you have to remember about how and where you drop the folded sheets of paper from?*

• Now fold the paper in half and drop it from the same height and in the same way and record the times.

• Fold it half again and repeat.

• Fold it in half again and repeat.

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| **Paper** | **Time taken in seconds** | **Average time** |
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Was Galileo or Aristotle correct about how things fall?

What else is affecting the paper as it falls besides gravity?