

## ***The Perfect Ball***

How bouncy is bouncy? It's time to experiment to find the bounciest ball. Gather a range of different balls that have been made to bounce. List them in the chart below and add in details about their circumference, weight and materials.

Work in pairs. Choose one position to drop each ball from. You need to be near a pole or wall so that you can mark the height the dropped ball bounced back up to each time and then measure from the floor to the mark. Take turns to drop each ball. Mark, measure and fill in the table below.

Ball	Materials	Circumference	Weight	Bounce height

What can you conclude from this experiment?

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What other experimenting do we need to do to really understand the bounce of balls?

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