

STICKY TAPE LAB

HOW CAN YOU OBJECTIVELY QUANTIFY THE “STICKINESS” OF TAPE?



Created by G.Baker www.thesciencequeen.net 2017

HOW WAS SCOTCH TAPE INVENTED?



<https://youtu.be/DpUA8ls13Kg>

WHAT IS DUCT TAPE?



<https://youtu.be/JopYDWPLoGo>

**Draw in your
composition
book!**

Problem Question

I.V.

D.V.

Hypothesis

Controls

Data Table

Graph

Analysis/Conclusion

PROBLEM:



• WHICH TAPE IS THE STICKIEST?

- SCOTCH TAPE
- DUCT TAPE
- PAINTERS TAPE
- MASKING TAPE
- PACKING TAPE



PROCEDURE

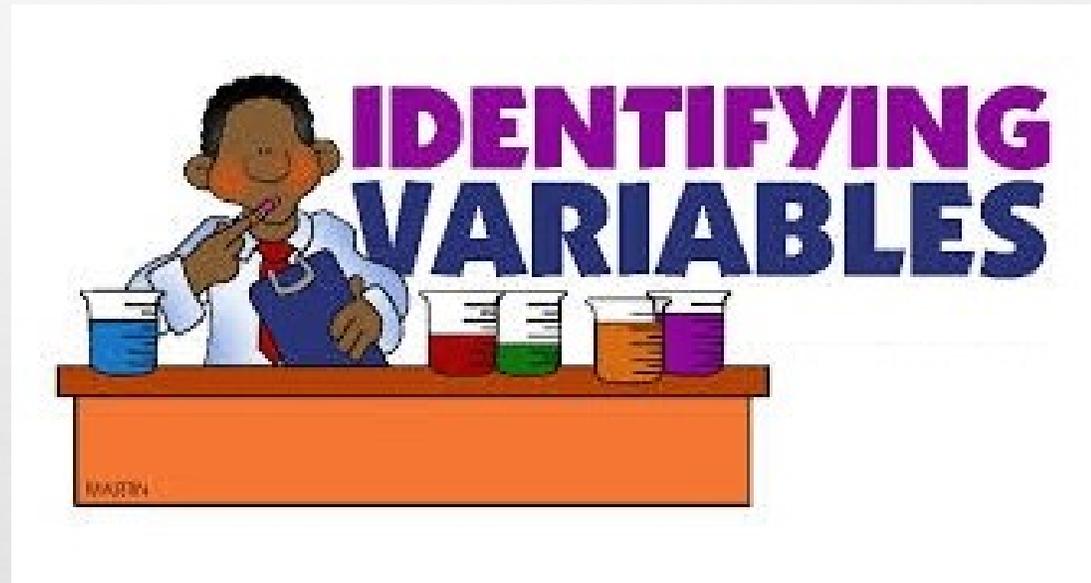
1. Make of stack of books/wood blocks 10 cm high.
2. Tape one end of the ruler to the stack to form a ramp.
3. Place a 45 cm length of tape on the table **STICKY SIDE UP** at the end of the ramp.
4. Allow the ball bearing to roll down the ramp and along the tape until it stops.
5. Measure how far the bearing rolled from the base of the ramp to where it stopped.
6. Record your data.
7. Do five trials with each brand of tape.

MATERIALS

3 brands of tape	2 rulers
3-5 Books	Ball bearing

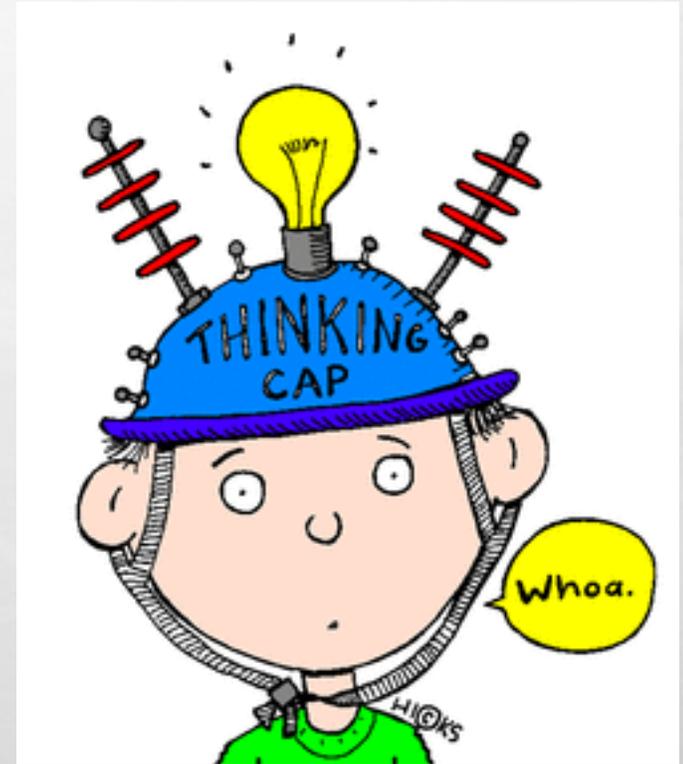
IDENTIFY YOUR VARIABLES

- **IV**
- **DV**
- **CV**



WRITE YOUR HYPOTHESIS

- If, then, because...



DATA TABLE

Distance in cm the bb rolled.

	Tape A	Tape B	Tape C
Trial 1			
Trial 2			
Trial 3			
Trial 4			
Trial 5			
Average			

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WHEN YOU ARE DONE TESTING...

- **GRAPH YOUR AVERAGES**
- **ANALYZE YOUR DATA**
- **WRITE YOUR CERC**