



Name: Form:

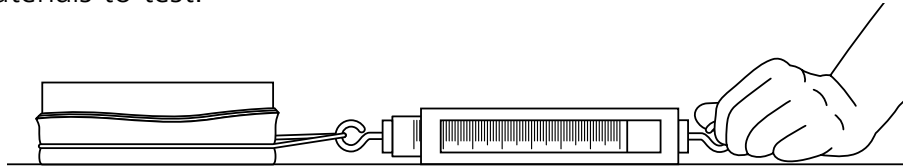
Based on pages 8 and 9 of *Friction*

Do all materials have the same grip?

Try this...

1. Make a collection of materials to test.

2. Wrap one of the materials around a block as the diagram shows.



3. Write down the name of the first material in the 'Material' column of the table.

Material	Try 1 (N)	Try 2 (N)	Try 3 (N)	Try 4 (N)

4. Gently pull on the block until it starts to move.

5. Record the amount of force needed to make the block move in the 'Try 1' column.

6. Repeat steps 4 and 5 three more times and record your results in the 'Try 2', 'Try 3' and 'Try 4' columns.

7. Repeat steps 2 to 6 with each of the other materials in your collection. Record your results in the table.

Looking at the results.

8. Does each material need the same force each time to start it moving?

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9. How do the forces needed to start the materials moving compare?

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