

If the shoe fits: Technical Notes

Equipment and materials

- Three shoes with different soles. e.g. Rubber, studded, leather etc
- Three surfaces. e.g. grass, wood, carpet, concrete
- Spring Balance
- Weights (100 g, 200 g, 300 g)

Method

- 1) Attach shoe 1 with the spring balance.
- 2) Pull shoe 1 across surface 1. Record results from spring balance
- 3) Add 100g to the shoe and repeat step 2.
- 4) Repeat steps 3 with 200 g and 300 g.
- 5) Repeat steps 1-4 with shoe 2 and 3.
- 6) Repeat steps 1-5 on surfaces 2 and 3.





Risk Management

There are no hazards that in this investigation.

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