

# Carrying Out an Investigation

To carry out an investigation.



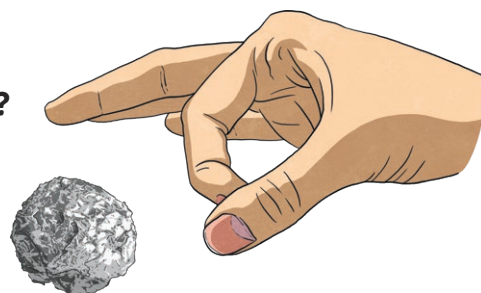
This finger is called the index finger. The bones in the index finger are called the index phalanges. Use what you have learnt about working scientifically to help you carry out this investigation at home.

**Question to investigate:**

**Are people with longer index fingers able to flick a ball further?**

**What you will do:**

1. Ask some people at home to help you.
2. Measure the lengths of the index fingers of all the people taking part in centimetres (cm) and write each name and length on the results table.
3. Ask each person in turn to flick a ball made from rolled-up kitchen foil or paper with their index finger.
4. Measure how far each person flicks the ball in centimetres (cm) and record this on the results table.



**Equipment:**

- some paper or kitchen foil rolled into a ball
- a measuring tape

**Prediction** (What do you think will happen?)

I predict that \_\_\_\_\_

Answer these questions to help you to make the test fair.

a. What are you changing in your investigation?

*The length of the finger used each time will be different.*

b. What are you measuring in your investigation?

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c. What will you keep the same each time you do the investigation?

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**Results** (What happened?)

Name of Person	Length of Index Finger	Order for Length of Finger: 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> etc	Distance Ball Flicked	Order for Distance Ball Flicked

**Conclusion** (What have we found out?)

From these results, I can see \_\_\_\_\_

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**Challenge!** How could you make this a better investigation?

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List the scientific skills you used when carrying out this investigation.

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