

Hands and fingers

Children test a theory finding and using accurate measurements to the nearest half centimetre.

Skills practised:

- Measuring with a ruler to the nearest half centimetre
- Recording data

Conjecture: *The width of a person's palm is the same as the length of their longest finger.*

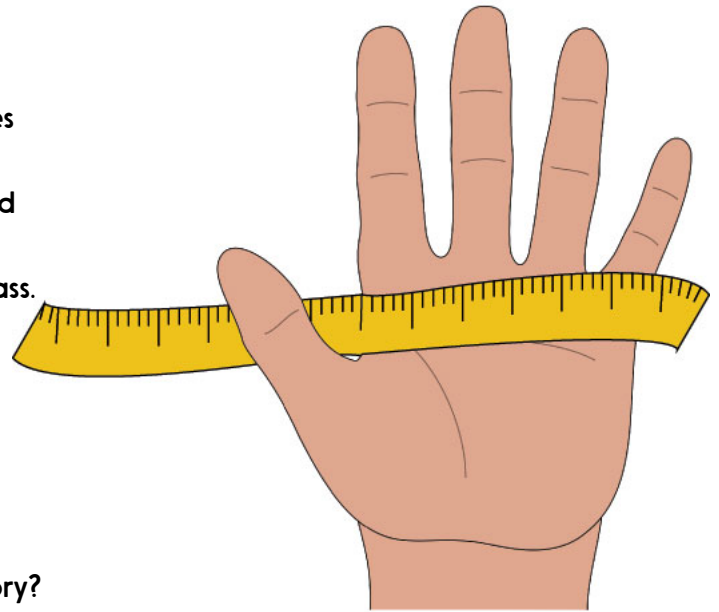
What to do:

Children work in pairs.

1. Use a ruler to measure your friend's palm width.
2. Record the exact number of centimetres to the nearest half.
3. Repeat this to measure his/her finger and record the measurement.
4. Repeat this with another child in your class.

Record your data on a block graph, where the vertical axis is the number of children and the horizontal axis is labelled: Same length, $\frac{1}{2}$ cm difference, 1cm difference, $1\frac{1}{2}$ cm difference, 2cm difference.

How many blocks do you colour in each category?



Aims:

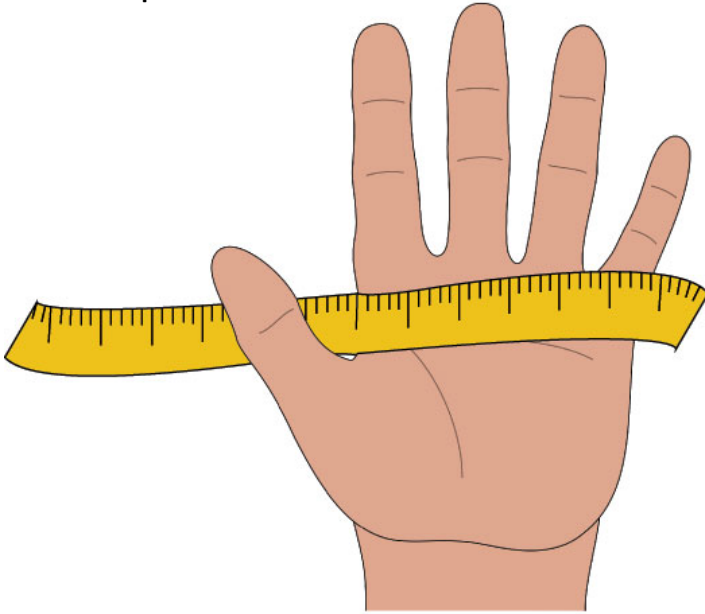
- To record data with care, understand and interpret the results

Minimum number of calculations expected

10

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1. Use a ruler to measure your friend's palm width.



Name	Palm	Finger	Difference
Jed	6	$5 \frac{1}{2}$	$\frac{1}{2}$ cm

2. Record the exact number of centimetres to the nearest half centimetre.
3. Repeat this to measure their longest finger and record the measurement.
4. Repeat this with another child in your class.

Record your data on a block graph, where the vertical axis is the number of children and the horizontal axis is labelled: Same length, $\frac{1}{2}$ cm difference, 1cm difference, $1\frac{1}{2}$ cm difference, 2cm difference.

How many blocks do you colour in each category?