

Design a Superhero



Family Maths
Toolkit

Facts about humans:

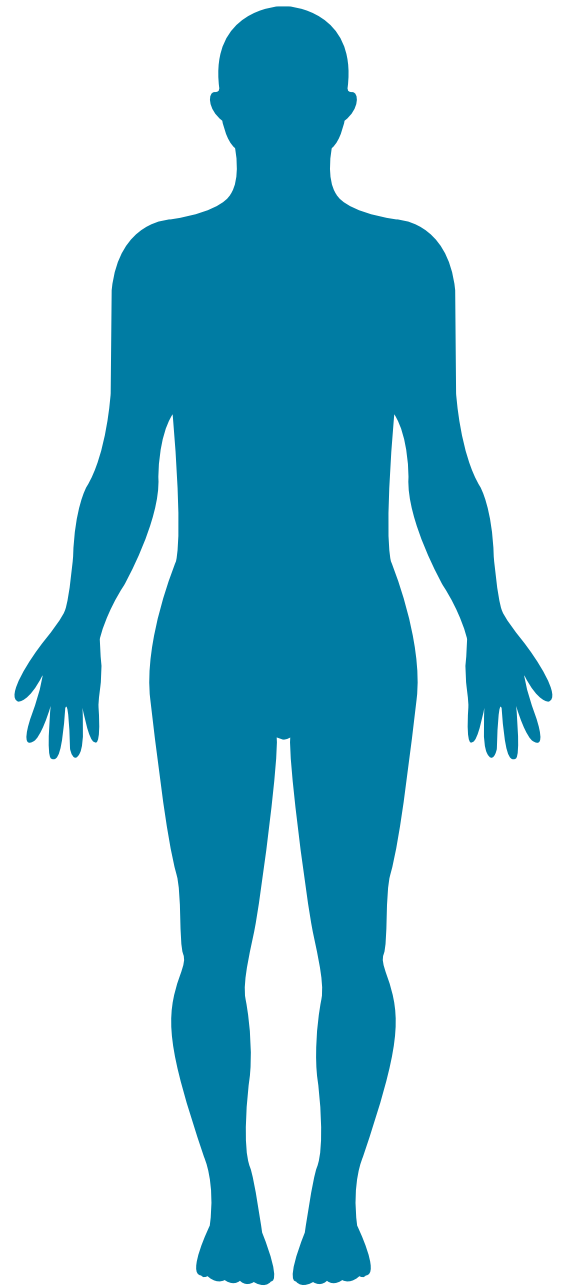
- Humans' arm spans are in the ratio 1:1 with their height
- Their heads are about 1:6 or 1:7 to their height
- Their hands are about 25% of their arm length
- The ratio of leg length to body length changes as we grow up

Can you check these facts on you and your family?

This is an old saying – is it true for your family?

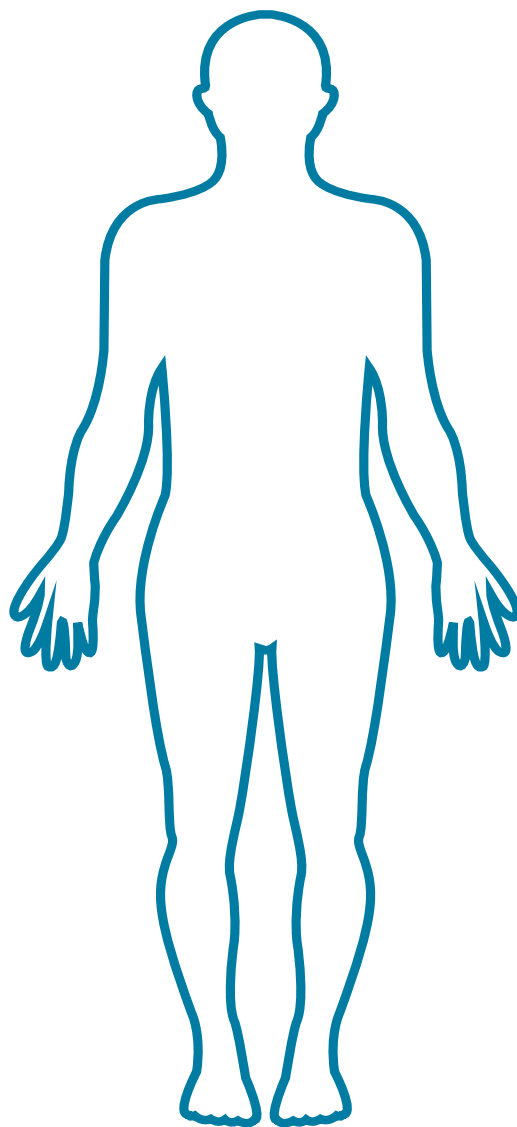
Once around the waist, twice around the neck;

Once around the neck, twice around the wrist.



Design a Superhero using all the information you have. He or she could be bigger than an average human – or smaller of course – but must keep the same proportions. Name your Superhero.

Helpful hints: Cut out strips of paper or string to represent each body part; arm span is tip of finger on one hand to tip of finger on the other hand with arms out wide (as possible); measure head in a straight line from top to under chin.



Family comments:

Child comments:



Curriculum Link

Solve problems involving measurements and simple scaling using fractions and percentages.