

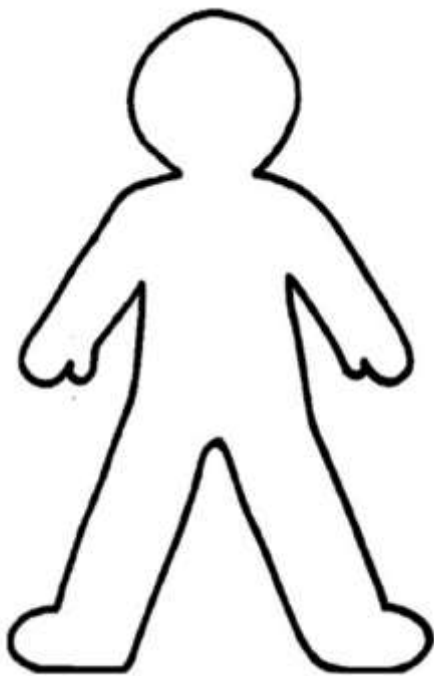
Measure Me

Why are body measurements useful?

They can help you buy the right size clothes, track your growth and know if it is safe for you to go on a fairground ride!

So have a go at accurately measuring yourself.

You will need a body template (scroll down to the 3rd page) and a measuring tape. You can also use string and a ruler.



The body template represents you:

1. **Decide which section you want to measure first e.g. shoulder to tip of hand.**
2. **Carefully line up the measuring tape (or string) along the distance, making sure it is straight and there are no bends. If using string, mark the length then use a ruler to measure.**
3. **Draw a line on the body template to show where you measured and write the length in cms.**

Why is this maths?

You're choosing and using mathematical equipment to make accurate measurements. You're exploring scale and ratio.

For more fun activities visit www.mathsontoast.org.uk

Don't forget to share your creations and comments on Twitter, Facebook or Instagram tagging @mathsontoast using #positiveaboutmaths

Get creative!

Why not decorate your template, or 'mini me' to look like you? Use colours; stickers or try string or wool for the hair and bits of material for clothes. Or create a changing wardrobe of outfits!

Forget about the mini me – go large!

Draw around your body on concrete with chalk or onto a large piece of paper. Or create / build a version of yourself with cardboard or paper.



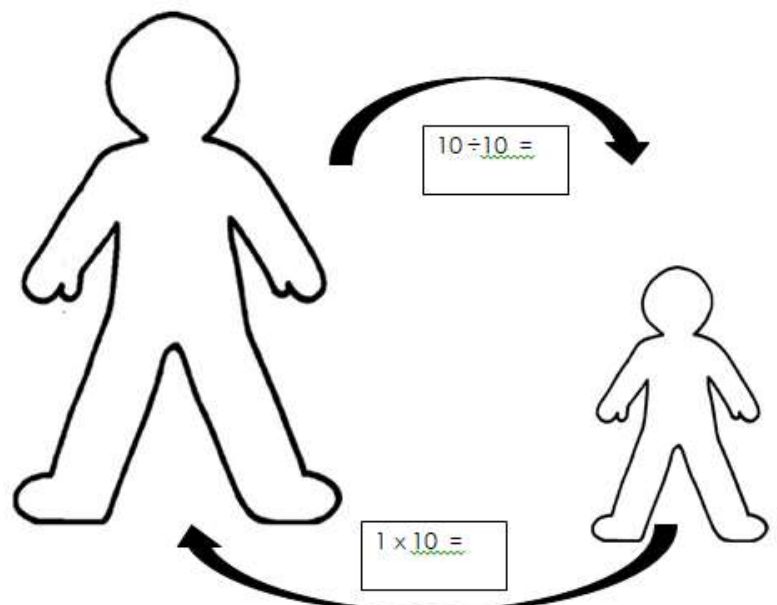
Extra challenge!

Try drawing your own 'mini me' by scaling your real measurements down. Look at your measurements and find a scale that works. Think of a sensible ratio for this activity – would a ratio of 1cm:10cm work? This would mean that 1cm on your 'mini me' represents 10cm of the real you. Would that work better than 1cm:75cm? If your hand is 15cm long, would the scaled down ratio of 15:1 work? Try it out and see.

Remember, whichever ratio you choose, you need to stick to it for all your measurements. What would happen if you didn't stick to the same ratio – try drawing and see!

How to use scale and ratio:

Scale is transforming one measurement to another using a ratio to magnify (multiply) or decrease (divide). For example with a ratio of 1:10



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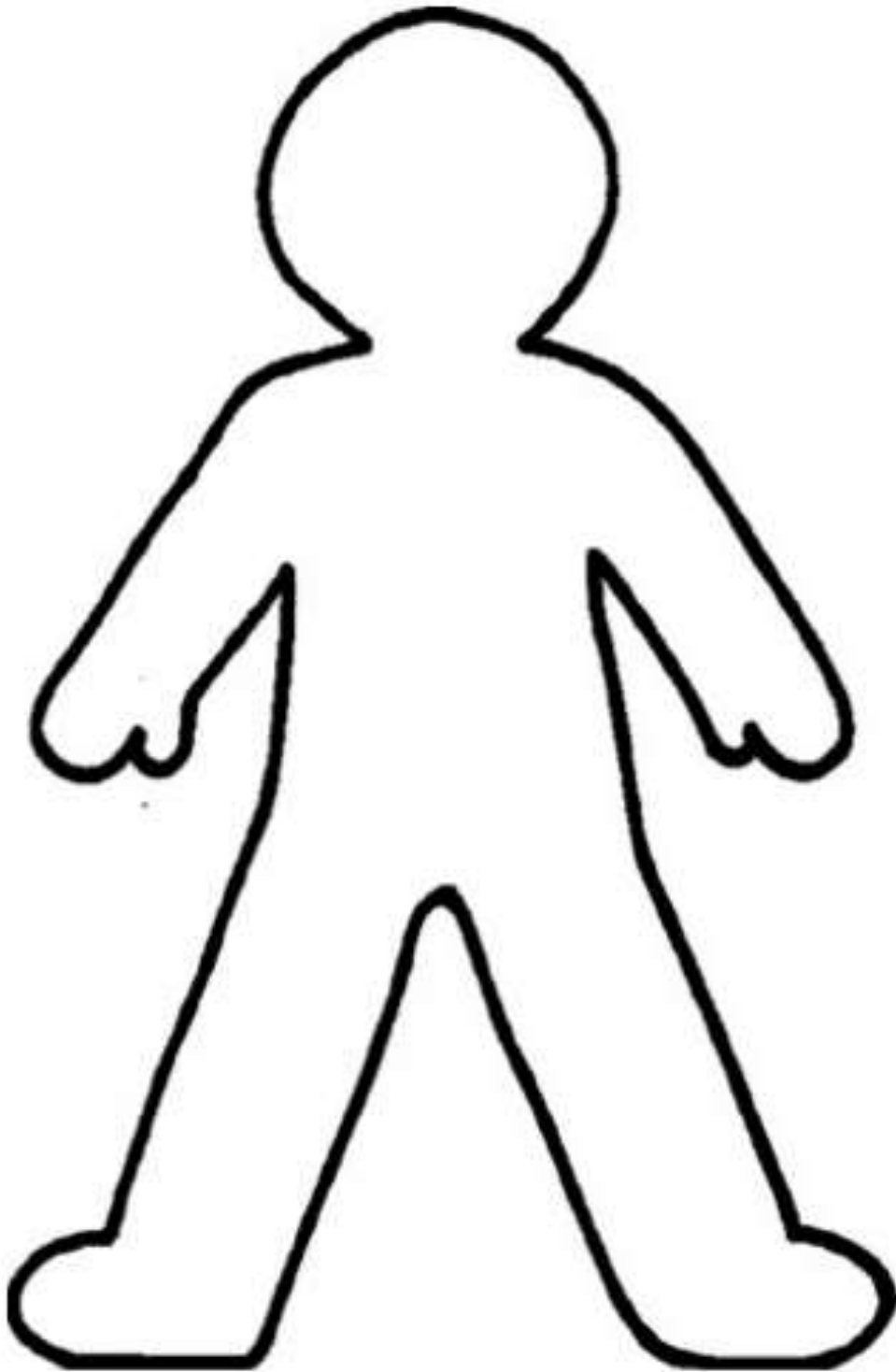
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Measure Me



The template below represents you. Have a go at accurately measuring yourself.

Print it out and cut around the outline. No printer? No problem! Hold a piece of paper up to the screen and trace it, draw your own, or try one of the other activities on the previous page.



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