

Chapter 7 – Rich task 2 - Shoes on feet

2 Shoes on feet



- tape measure
- a ruler
- a copy of the table
- a calculator or spreadsheet package

- 1 Measure the length, in mm, of ten of your classmates' feet. Record these in the table.
- 2 Ask each of these people their shoe size. Record this in a spreadsheet or the table.
- 3 Use these formulae to calculate what their shoe size should be.

Girls $S = \frac{3L}{25} - 22$ Boys $S = \frac{3L}{25} - 25$

L is the length of the foot in mm. **S** is the shoe size.

- 4 Compare each person's actual shoe size with their calculated one.
- 5 Check to see if these formulae work better for adults or children.



Classmate	1	2	3	4	5	6	7	8	9	10
Length of foot (mm)										
Shoe size										

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