

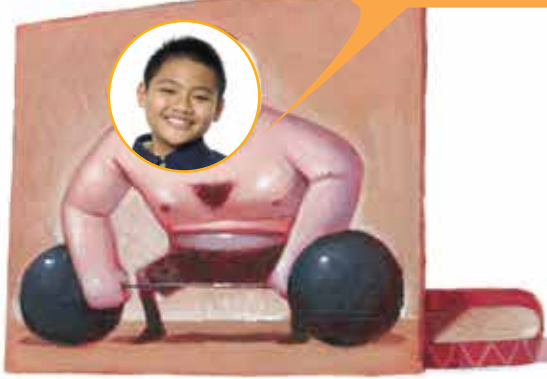
# Lifting Weights

ACTIVITY

Eva Waitte the PE teacher tested the upper body strength of the boys in her class by getting them to lift weights.

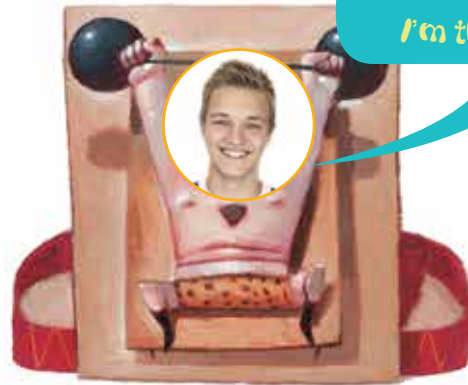
Lefu boasted:

*Hey, I'm the strongest! I can lift 52 kilograms!*



Josh replied:

*Well, I reckon I'm the strongest.*



1. The following table shows the mass in kilograms that some of the boys lifted. Who seems to be the strongest?

	Mass lifted (kg)	Body mass (kg)
Mike	32	38
Lefu	52	59
Pete	26	50
Chris	39	44.5
Nick	40	51
Harry	49	58
Wiremu	35	48.5
Dan	41	50.5
Josh	30	33.4
Mark	50	56

2. The third column in the table above is the body mass of each boy. Ms Waitte used this formula to give each student a final score:

$$\text{Upper body strength} = \text{mass lifted} - \text{body mass}$$



- Rank the students in order of upper body strength.
- Who really was the strongest? Why?