

Body Mass

You need: a calculator

ACTIVITY

Some of the students at Te Kauri Intermediate are learning about the body mass index (BMI). They have found out that this measures the relationship between height and mass. The formula used is:

$$\text{BMI} = \frac{\text{Mass in kilograms}}{(\text{height in metres})^2}$$

Their teacher has asked them to work out the BMI of the following people. She told them to round their answers to one decimal place. What answers did they get?

a. **Toline**
1.63 m 49.2 kg



b. **Steve**
1.62 m 58.5 kg



c. **Pānia**
1.45 m 42.4 kg



d. **Josh**
1.30 m 33.4 kg



e. **Mei Ling**
1.38 m 41 kg



f. **Aroha**
1.51 m 56.5 kg



g. **Matiu**
1.42 m 39.6 kg



h. **George**
1.55 m 59.6 kg



Note: BMI is not generally used to work out the healthy body-mass range for children.