



Timester Challenge

Estimation



Work out an estimate for the value of
 2.4×96

Bronze ★

Write down an estimate for $\sqrt{60}$

Silver ★

Work out an estimate for the value of
$$\frac{35.8 \times 53.4}{1.8 + 3.24}$$

Gold ★

Work out an estimate for the value of
 $42.4 \div 1.57$

Bronze ★

Estimate the value of
$$\frac{83 \times 237}{389}$$

Silver ★

Work out an estimate for the value of
$$\frac{12.8 \times 34.6}{6.4 - 3.2}$$

Gold ★



Timester Challenge

Estimation

Answers



Work out an estimate for the value of
$$\begin{aligned} 2.4 \times 96 \\ = 2 \times 100 \\ = 200 \end{aligned}$$

Bronze ★

Write down an estimate for $\sqrt{60}$
$$\begin{aligned} \sqrt{49} &= 7 \\ \sqrt{60} &= 7.7 \\ \sqrt{64} &= 8 \end{aligned}$$

Silver ★

Work out an estimate for the value of
$$\begin{aligned} 35.8 \times 53.4 \\ \hline 1.8 + 3.24 \\ = \frac{40 \times 50}{2 + 3} \\ = \frac{2000}{5} \\ = 400 \end{aligned}$$

Gold ★

Work out an estimate for the value of
$$\begin{aligned} 42.4 \div 1.57 \\ = 40 \div 2 \\ = 20 \end{aligned}$$

Bronze ★

Estimate the value of
$$\begin{array}{r} 83 \times 237 \\ \hline 389 \\ \hline \end{array}$$

$$\begin{aligned} &= \frac{80 \times 200}{400} \\ &= \frac{16000}{400} \\ &= 40 \end{aligned}$$

Silver ★

Work out an estimate for the value of
$$\begin{aligned} 12.8 \times 34.6 \\ \hline 6.4 - 3.2 \\ = \frac{13 \times 30}{6 - 3} \\ = \frac{390}{3} \\ = 130 \end{aligned}$$

Gold ★