



# Timester Challenge

## Estimation



Work out an estimate for the value of $2.4 \times 96$  <b>Bronze</b> ★	Write down an estimate for $\sqrt{60}$  <b>Silver</b> ★	Work out an estimate for the value of $\frac{35.8 \times 53.4}{1.8 + 3.24}$  <b>Gold</b> ★
Work out an estimate for the value of $42.4 \div 1.57$  <b>Bronze</b> ★	Estimate the value of $\frac{83 \times 237}{389}$  <b>Silver</b> ★	Work out an estimate for the value of $\frac{12.8 \times 34.6}{6.4 - 3.2}$  <b>Gold</b> ★



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### Answers



<p>Work out an estimate for the value of</p> $2.4 \times 96$ $= 2 \times 100$ $= 200$ <p style="text-align: right;"><b>Bronze</b> ★</p>	<p>Write down an estimate for <math>\sqrt{60}</math></p> $\sqrt{49} = 7$ $\sqrt{60} = 7.7$ $\sqrt{64} = 8$ <p style="text-align: right;"><b>Silver</b> ★</p>	<p>Work out an estimate for the value of</p> $\frac{35.8 \times 53.4}{1.8 + 3.24}$ $= \frac{40 \times 50}{2 + 3}$ $= \frac{2000}{5}$ $= 400$ <p style="text-align: right;"><b>Gold</b> ★</p>
<p>Work out an estimate for the value of</p> $42.4 \div 1.57$ $= 40 \div 2$ $= 20$ <p style="text-align: right;"><b>Bronze</b> ★</p>	<p>Estimate the value of</p> $\frac{83 \times 237}{389}$ $= \frac{80 \times 200}{400}$ $= \frac{16000}{400}$ $= 40$ <p style="text-align: right;"><b>Silver</b> ★</p>	<p>Work out an estimate for the value of</p> $\frac{12.8 \times 34.6}{6.4 - 3.2}$ $= \frac{13 \times 30}{6 - 3}$ $= \frac{390}{3}$ $= 130$ <p style="text-align: right;"><b>Gold</b> ★</p>