**Estimating Calculations**

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| **Question** | **Values Rounded** **to 1 sf** | **Calculation** | **Estimated****Answer** | **Overestimate or Underestimate?** | **Actual Answer** |
| $$3.3×2194×1.2$$ | $$3.3$$ | $$2194$$ | $$1.2$$ |  |  | $$Underestimate$$ | $$8688.24$$ |
| $$3$$ | $$2000$$ | $$1$$ |
| $$\frac{17.8+67.3}{12.29}$$ | $$17.8$$ | $$67.3$$ | $$12.29$$ | $$\frac{20+70}{10}$$ |  | $$Overestimate$$ | $$6.92$$ |
| $$20$$ | $$70$$ | $$10$$ |
| $$\frac{47×78.6}{0.53}$$ | $$47$$ | $$78.6$$ | $$0.53$$ | $$\frac{50×80}{0.5}$$ |  |  |  |
|  |  |  |
| $$\frac{1.78^{3}}{62.1+43.3}$$ | $$1.78$$ | $$62.1$$ | $$43.3$$ |  |  |  |  |
|  |  |  |
| $$\frac{\sqrt{103}}{0.98×19}$$ | $$103$$ | $$0.98$$ | $$19$$ |  |  |  |  |
|  |  |  |
| $$\frac{5.34+3.296}{0.195}$$ | $$5.34$$ | $$3.296$$ | $$0.195$$ |  |  |  |  |
|  |  |  |
| $$\frac{(4.12×0.53)^{2}}{\sqrt[3]{7.97}}$$ | $$4.12$$ | $$0.53$$ | $$7.97$$ |  |  |  |  |
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