Practice worksheet | Real numbers

Estimating non-perfect square roots

Name: _____ Date: _____

6 questions | 13 marks

1. Find consecutive whole-number bounds for $\sqrt{37}$. [2 marks]

2. Find consecutive whole-number bounds for $\sqrt{150}$. [2 marks]

3. Use squared trial values to locate $\sqrt{12}$ between tenths. [2 marks]

4. Estimate $\sqrt{18}$ to one decimal place. [2 marks]

5. Estimate $\sqrt{70}$ to one decimal place. [2 marks]

6. A square has area $55\ \text{cm}^2$. Estimate its side to the nearest tenth of a centimetre. [3 marks]