Practice worksheet | Real numbers

Calculations in practical contexts using suitable digital tools

Name: _____ Date: _____

6 questions | 14 marks

1. A square court has area $625\ \text{m}^2$. Find its side and check. [2 marks]

2. A square plot has area $730\ \text{m}^2$. Find its side to two decimal places. [2 marks]

3. Use $r = \frac{C}{2\pi}$ to find the radius for circumference $48\ \text{cm}$. Give two decimal places. [2 marks]

4. A supplied formula is $D = \sqrt{a^2 + b^2}$. For $a = 8.4\ \text{cm}$ and $b = 12.5\ \text{cm}$ find D to one decimal place. [2 marks]

5. A square of area $50\ \text{m}^2$ needs edging along all four sides. It is sold in whole metres. Find the least length to buy. [3 marks]

6. A student reports $\sqrt{360} = 189.7$. Explain a quick check and give the correct value to one decimal place. [3 marks]