

A square and a cube

- 1) Find the value of $\sqrt[3]{\sqrt{0.000064}}$
- 2) Express 3375 as the sum of consecutive odd numbers.
- 3) $\sqrt[3]{\frac{0.729}{0.064}} \div \sqrt{\frac{0.09}{0.04}} - 1$
- 4) Find the value of $7 + 9 + 11 + \dots + 47$.
- 5) Find the value $\sqrt{176 + \sqrt{2386 + \sqrt{221 + \sqrt{16}}}}$
- 6) Find three numbers in the ratio 2:3:5, the sum of whose squares is 608.
- 7) If $\sqrt{1 + \frac{27}{169}} = 1 + \frac{x}{13}$, what is the value of x .
- 8) $\sqrt{\frac{289}{49}} = \frac{x}{49}$, find x .
- 9) Evaluate $\sqrt{\frac{36.1}{102.4}}$
- 10) $(2744)^{\frac{1}{3}} = 2m + 2$, find m .