

# Quick Test - Square Roots and Cube Roots

1. Use the  $\sqrt{\quad}$  button on your calculator to find the positive square roots to the nearest whole number.

a.	$\sqrt{520}$	b.	$\sqrt{75}$
c.	$\sqrt{750}$	d.	$\sqrt{0.9}$
e.	$\sqrt{170}$	f.	$\sqrt{7220}$
g.	$\sqrt{1000050}$	h.	$\sqrt{27}$

2. Without using a calculator, write down the answers to each of the following.

a.	$\sqrt{4}$	b.	$\sqrt{144}$
c.	$\sqrt{16}$	d.	$\sqrt{64}$
e.	$\sqrt{25}$	f.	$\sqrt{169}$

3. Use your calculator to find the following.

a.	$\sqrt[3]{4096}$	b.	$\sqrt[3]{1000}$
c.	$\sqrt[3]{1728}$	d.	$\sqrt[3]{1}$
e.	$\sqrt[3]{1331}$	f.	$\sqrt[3]{0.125}$

4. Without using a calculator find the value of the following.

a.	$\sqrt[3]{64}$	b.	$\sqrt[3]{1000}$
c.	$\sqrt[3]{27}$	d.	$\sqrt[3]{8}$

5. Fred is buying a small storage box online. He sees a cube box with a volume of  $125\text{cm}^3$ . What is the length of each box edge?

6. A farmer is buying fencing to surround a square field of area  $3600\text{m}^2$ . What length of fencing does he need to buy?