MATHS · YEAR 8

Finding Square Roots of Perfect Squares

Practise the relationship between squares and square roots.

Name _____ **Date** _____

> Find each square root. Remember: a square root tells you which number was multiplied by itself.

A Find each square root

1. $\sqrt{36}$ _____
2. $\sqrt{144}$ _____
3. $\sqrt{9}$ _____
4. $\sqrt{256}$ _____
5. $\sqrt{81}$ _____
6. $\sqrt{324}$ _____
7. $\sqrt{169}$ _____
8. $\sqrt{16}$ _____
9. $\sqrt{400}$ _____
10. $\sqrt{196}$ _____

B Complete each square fact

1. $5^2 =$ _____
2. _____ $^2 = 196$
3. $14^2 =$ _____
4. _____ $^2 = 289$
5. $8^2 =$ _____
6. _____ $^2 = 324$
7. $19^2 =$ _____
8. _____ $^2 = 100$

C Compare the square roots

Write <, > or = in each box.

$\sqrt{49}$ ☐ $\sqrt{64}$

$\sqrt{225}$ ☐ $\sqrt{196}$

$\sqrt{121}$ ☐ $\sqrt{144}$

$\sqrt{400}$ ☐ $\sqrt{361}$

D Check your thinking

Choose one question from Section A. Write a square fact that checks your answer.

_____

_____