

Surds

1. Change the following square roots into surds of the form $a\sqrt{b}$:

a. $\sqrt{27}$

b. $\sqrt{12}$

2. Use your results from question 1 to show that:

a. $\sqrt{27} + \sqrt{12} = \sqrt{75}$

b. $\sqrt{27} - \sqrt{12} = \sqrt{3}$

c. $\sqrt{27} \times \sqrt{12} = 18$

d. $\sqrt{27} \div \sqrt{12} = \sqrt{1.5}$