

Essential Skills 3

The questions in this series of worksheets appear frequently.

These are the GIFTS you must take to succeed



Simplifying Surds (Non Calculator)

Simplify:

1. $\sqrt{20} + \sqrt{45} - \sqrt{5}$

2. $2\sqrt{3} - \sqrt{108} + \sqrt{75}$

3. $7\sqrt{2} + \sqrt{18} - \sqrt{128}$

4. $\sqrt{6} - \sqrt{54} - \sqrt{24}$

5. $\sqrt{160} + 2\sqrt{10} - \sqrt{90}$

6. $\sqrt{63} - \sqrt{28} - \sqrt{7}$

7. $\sqrt{44} - \sqrt{99} + 4\sqrt{11}$

8. $3\sqrt{5} + \sqrt{320} - \sqrt{180}$

9. $4\sqrt{2} + \sqrt{8} - \sqrt{98}$

10. $\sqrt{27} - 2\sqrt{12} + \sqrt{3}$

APPLYING QUESTION

The Rectangle shown has a perimeter of $\sqrt{72}$ and breadth of $\sqrt{2}$.

Calculate its length.

