Maths.scot

National 5 Maths Simplifying Surds

SQA past paper and specimen paper questions and answers by topic

BE GREEN
KEEP IT ON
THE SCREEN

Express $\sqrt{40} + 4\sqrt{10} + \sqrt{90}$ as a surd in its simplest form.

3

Answer:

$9\sqrt{10}$

Express $\sqrt{50} + \sqrt{45} - \sqrt{2}$ in its simplest form. **3**

Answer:

$4\sqrt{2} + 3\sqrt{5}$

Expand and simplify $\sqrt{10}\left(\sqrt{10} - \sqrt{2}\right) + 8\sqrt{5}$. **3**

Answer:

$10 + 6\sqrt{5}$