



National 5 Maths Simplifying Surds

SQA past paper and specimen paper
questions and answers by topic

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National 5 Maths
SQA 2014 Paper 1
Question 8

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

3

Answer:

$$9\sqrt{10}$$

National 5 Maths
SQA 2021 Paper 1
Question 9

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

3

Answer:

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

National 5 Maths
SQA 2022 Paper 1
Question 13

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

3

Answer:

$$10 + 6\sqrt{5}$$

National 5 Maths
SQA 2024 Paper 1
Question 6

Simplify $\sqrt{75} - \sqrt{3}$.

2

Answer:

$$4\sqrt{3}$$