# Mathsbase Exam Questions: Surds22

1) Simplify the square root of 80. (1 mark)

Answer: _____

2) Express the square root of 80 in its simplest form. (1 mark)

Answer: _____

3) Calculate the value of $\sqrt{80}$. (1 mark)

Answer: _____

4) Evaluate the square root of 80. (1 mark)

Answer: _____

5) Find the positive square root of 80. (1 mark)

Answer: _____

6) Determine the value of $\sqrt{(16 \times 5)}$. (2 marks)

Answer: _____

7) Calculate the value of $(\sqrt{16}) \times (\sqrt{5})$. (2 marks)

Answer: _____

8) Simplify the expression $\sqrt{(16 \times 5)}$. (2 marks)

Answer: _____

9) Simplify $\sqrt{(16)} \times \sqrt{(5)}$. (2 marks)

Answer: _____

10) Express the value of $\sqrt{80}$ as a whole number and a simplified radical. (3 marks) Mark Scheme: 1) $\sqrt{80} = 4\sqrt{5}$ (1 mark) 2) $\sqrt{80} = 4\sqrt{5}$ (1 mark) 3) $\sqrt{80} \approx 8.94$ (1 mark) 4) $\sqrt{80} = 8.94$ (1 mark) 5) $\sqrt{80} = 8.94$ (1 mark) 6) $\sqrt{(16 \times 5)} = \sqrt{80} = 4\sqrt{5}$ (2 marks) 7) $(\sqrt{16}) \times (\sqrt{5}) = 4 \times \sqrt{5} = 4\sqrt{5}$ (2 marks) 8) $\sqrt{(16 \times 5)} = \sqrt{80} = 4\sqrt{5}$ (2 marks) 9) $\sqrt{(16)} \times \sqrt{(5)} = 4 \times \sqrt{5} = 4\sqrt{5}$ (2 marks) 10) $\sqrt{80} = 8\sqrt{5}$ (3 marks)

Answer: _____