

Simplifying Surds

Copy and complete the following

$$\sqrt{8} = \sqrt{4 \times 2} = \sqrt{4} \times \sqrt{2} = \square\sqrt{2}$$

$$\sqrt{32} = \sqrt{16 \times 2} = \sqrt{\quad} \times \sqrt{2} = \square\sqrt{2}$$

$$\sqrt{200} = \sqrt{\square \times 2} = \sqrt{\quad} \times \sqrt{2} = \square\sqrt{2}$$

$$\sqrt{27} = \sqrt{\square \times 3} = \sqrt{\quad} \times \sqrt{3} = \square\sqrt{3}$$

$$\sqrt{48} = \sqrt{\square \times 3} = \sqrt{\quad} \times \sqrt{3} = \square\sqrt{3}$$

$$\sqrt{50} = \sqrt{\square \times 2} = \sqrt{\quad} \times \sqrt{2} = \square\sqrt{2}$$

$$\sqrt{45} = \sqrt{\square \times 5} = \sqrt{\quad} \times \sqrt{5} = \square\sqrt{5}$$