



Air maths tuition

Interact, engage and perform

Surds - Division

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

$\sqrt{\frac{36}{4}} = \sqrt{9}$ $= 3$	$\sqrt{\frac{8}{9}} = \frac{\sqrt{8}}{\sqrt{9}}$ $= \frac{\sqrt{4 \times 2}}{\sqrt{9}}$ $= \frac{\sqrt{4} \sqrt{2}}{\sqrt{9}}$ $= \frac{2\sqrt{2}}{3}$	$\sqrt{\frac{16}{5}} = \frac{\sqrt{16}}{\sqrt{5}}$ $= \frac{4}{\sqrt{5}} \frac{\sqrt{5}}{\sqrt{5}} \text{ Rationalise}$ $= \frac{4\sqrt{5}}{5}$
$\sqrt{\frac{36}{4}} = \frac{\sqrt{36}}{\sqrt{4}}$ $= \frac{6}{2}$ $= 3$		

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maths made easy