



Air maths tuition

Interact, engage and perform

Indices (Exponents) - Multiplication Rule Extended

$$(2^4)^2 = 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \\ = 2^8$$

$$(x^2)^3 = x \times x \times x \times x \times x \times x \\ = x^6$$

$$(x^m)^n = x^{mn}$$

$$(3a^5)^2 = 3a^5 \times 3a^5 \\ = 9a^{10}$$

$$(2a^3b^2)^3 = 2^3 a^9 b^6 \\ = 8a^9b^6$$

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Exam Solutions

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