

a Write $6 \times 6 \times 6 \times 6$ in index form 6^4 writing in index form	b Work out 2^5 32 the value of a power	c Write $3 \times 3 \times 5 \times 5 \times 5$ in index form $3^2 \times 5^3$ index form with two bases	d Work out 10^6 $1\,000\,000$ a power of ten (the number of zeros)
e Work out 1^8 1 a power of 1	f Work out 5×2^3 40 a power before multiplying	g Work out $(5 \times 2)^3$ 1000 a power of a bracket	h Work out $3^2 + 2^4$ 25 adding two powers
i Work out $5^3 - 5^2$ 100 subtracting powers (not the indices)	j Work out $2^3 \times 3^2$ 72 multiplying powers of different bases	k Which is larger: 2^5 or 5^2 ? 2^5 comparing powers by their values	l Work out $\sqrt{2^6}$ 8 the square root of a power

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