

## Worksheet: Power Play

IGCSE · Class 8 · Mathematics · 5 questions · 13 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 13

**Q1.** Simplify:  $7^3 \times 7^0$  [1 mark]

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**Q2.** Evaluate  $3^4$  [1 mark]

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**Q3.** Simplify:  $(2^4 \times 2^0) \div 2^4$  [3 marks]

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**Q4.** Express the speed of light (299,792,458 m/s) in standard form to 3 significant figures. [3 marks]

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**Q5.** If a virus has a diameter of  $1.2 \times 10^{-7}$  m, and 1 cm of a microscope slide can fit viruses side by side, how many viruses fit in 1 cm? [5 marks]

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