

1. Here are five possible ways to write 2^4

- (i) $2 + 2 + 2 + 2$ (ii) $4 + 4$ (iii) 2×4 (iv) $2 \times 2 \times 2 \times 2$ (v) 4×4

Circle the correct one.

2. Zola says $3^4 = 81$ because $3^4 = 3 \times 3 \times 3 \times 3$

Is Zola correct?

You must give a reason for your answer.

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3. Tilly says $2^4 = 8$

Is Tilly correct?

You must give a reason for your answer.

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4. Rhys says $2^3 = 8$

Is Rhys correct?

You must give a reason for your answer.

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Answers

1. (iv) $2 \times 2 \times 2 \times 2$
2. Yes shows $3 \times 3 = 9$ or $9 \times 3 \times 3$ or 27×3 or 9×9 or similar
3. No, $2^4 = 16$ or $2 \times 2 \times 2 \times 2$ or $4 \times 2 \times 2 = 8 \times 2$ or 4×4 or not 4×2
4. Yes, $2^3 = 2 \times 2 \times 2 (= 4 \times 2)$