1. Ada says $4^3 = 64$ because $4^3 = 4 \times 4 \times 4$

   Bella says $4^3 = 12$ because $4^3 = 4 + 4 + 4$

   Who is correct?

   You must give a reason for your answer.

   ....

   ....

2. Tilly says $2^4 = 16$ because $2^4 = 2 \times 2 \times 2 \times 2$

   Is Tilly correct?

   You must give a reason for your answer.

   ....

   ....

B^{i}DMAS (2) 3) Yes, $3^3 = \underline{3 \times 3} \times 3 = 9 \times 3 = 27$ 4) (iii) $2 \times 2 \times 2 \times 2 \times 2$

5) No, $3^4 = \underline{3 \times 3} \times 3 \times 3 = 9 \times 3 \times 3 = 27 \times 3$ or $\underline{3 \times 3} \times \underline{3 \times 3} = 9 \times 9 = 81$ **not** 3×4

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3. Udemezie says $3^3 = 27$

   Is Udemezie correct?

   You must give a reason for your answer.

   ....

   ....

4. Here are four possible ways to write 2^5

   (i) $2 + 2 + 2 + 2 + 2$ (ii) $5 + 5$ (iii) $2 \times 2 \times 2 \times 2 \times 2$ (iv) 5×5

   Circle the correct one.

5. Zola says $3^4 = 12$

   Is Zola correct?

   You must give a reason for your answer.

   ....

   ....

B^{i}DMAS (2) 1) Ada because $4^3 = 64$ or $\underline{4 \times 4} \times 4 = 16 \times 4$ or it's not 3×4 which Bella says.

2) Yes, $2^4 = \underline{2 \times 2} \times 2 \times 2 = \underline{4 \times 2} \times 2 = 8 \times 2 = 16$ or she could work out

$\underline{2 \times 2} \times \underline{2 \times 2} = 4 \times 4 = 16$