

$$(a^m \times b^n)^q = a^{m \times n} = a^{mq} \times b^{nq} = a^{mq} b^{nq}$$

UJI MINDA 1.2E (Bahagian 1)

Lengkapkan setiap yang berikut.

$$\begin{aligned} 1. (2 \times 5^2)^3 \\ &= 2^{\square} \times 5^{\square} \times 5^{\square} \times 5^{\square} \\ &= 2^{\square} \times 5^{\square} \end{aligned}$$

$$\begin{aligned} 2. (4^3 \times 3^4)^5 \\ &= 4^{\square} \times 3^{\square} \times 3^{\square} \times 3^{\square} \times 3^{\square} \\ &= 4^{\square} \times 3^{\square} \end{aligned}$$

$$3. (x^2 y^5 z^3)^2 = x^{\square} y^{\square} z^{\square}$$

$$4. (pq^2 r^3)^4 = p^{\square} q^{\square} r^{\square}$$

$$\begin{aligned} 5. (2p^2 q^3)^4 \\ &= 2^{\square} \times p^{\square} \times p^{\square} \times q^{\square} \times q^{\square} \times q^{\square} \\ &= 2^{\square} p^{\square} q^{\square} \\ &= \square p^{\square} q^{\square} \end{aligned}$$