

Warm up

Simplify using powers then evaluate.

a) $(2^2)^3 \times 2^2 - 2^5 \times 2$

b) $(6^2)^8 \div (6^4)^2$

solutions

Warm up

Simplify using powers then evaluate.

$$\begin{aligned} \text{a) } (2^2)^3 \times 2^2 - 2^5 \times 2 &= 2^6 \times 2^2 - 2^6 \\ &= 2^8 - 2^6 \\ &= 256 - 64 \\ &= 192 \end{aligned}$$

$$\begin{aligned} \text{b) } (6^2)^8 \div (6^4)^2 &= 6^{16} \div 6^8 \\ &= 6^8 \\ &= 1\,679\,616 \end{aligned}$$

Concept reinforcement...

Extra Practice sheets 3, 4 & 5

Practice Test page 90

Attachments

unit02_ep_apk.pdf