(a) Write $4^{5}$ as a power of 2
(b) Write $8^{3}$ as a power of 2 .
(c) Write $16^{3}$ as a power of 4 .
(d) Write $27^{4}$ as a power of 3 .
(e) Write $125^{3}$ as a power of 5 .
(a) $2^{6} \times 2^{4}=4^{n}$. Find $n$.
(b) $8^{n}=2^{3} \times 2^{9}$. Find $n$.
(c) $3^{n}=3^{3} \times 9^{2}$. Find $n$.
(d) $\quad 2^{n}=\frac{16}{2^{3}}$. Find $n$.
(e) $\frac{3^{8}}{81}=3^{n}$. Find $n$.
(a) $4^{3} \times 16=2^{n}$. Find $n$.
(b) $243 \times 9^{2}=3^{n}$. Find $n$.
(c) $2^{n} \times 4^{3}=1024$. Find $n$.
(d) $\frac{9^{2} \times 81^{1 / 2}}{3^{2}}=3^{n}$. Find $n$.
(e) $\frac{2^{2 n} \times 64}{4^{2}}=2^{3}$. Find $n$.
(a) $128=4^{2 x} \times 2^{x}$. Find $x$.
(b) $\frac{1}{\sqrt[3]{9^{4}}}=3^{x}$. Find $x$.
(c) $16^{1 / 5} \times 2^{x}=8^{3 / 4}$. Find $x$.
(d) $\left(2^{1 / 2}\right)^{x}=\frac{32}{2^{2}}$. Find $x$.
(e) $\quad 243=\frac{3^{x}}{\sqrt[3]{81}}$. Find $x$.
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