

Find value of

$$1. (5)^{0.25} \times (125)^{0.25}$$

$$(256)^{0.10} \times (256)^{0.15}$$

$$2. \left\{ (8)^{-\frac{2}{3}} \right\}^{\frac{(27)^{\frac{1}{3}}}{2}}$$

3. Write in usual form 3.26×10^6

4. Write in standard form 123 00000,
597219000000000000000000000000
(19 zeros)

5. Evaluate $(3^2 \div 2^2) \times \left(\frac{2}{3}\right)^{-2}$

6. ~~Simplify~~ Simplify $8^3 \times 2^{-4} \div 16 \times 32^{-2}$
in exponential form with base 2.

7. Evaluate $\{5(8^{1/3} + 27^{1/3})\}^{1/2}$

8. Solve the following expressions

$$(i) \quad \frac{36 \times 4^4 \times 7^5}{(49)^2 \times 7 \times 2^8 \times 3^4}$$

$$(ii) \quad \frac{6^2 \times (2^2)^4 \times 7^5}{9 \times 7^3 \times 1024}$$

$$(iii) \quad \frac{243 \times 11^4 \times 1000}{2^3 \times 5^3 \times 11^3 \times 3^4}$$

$$(iv) \quad \frac{10^6 \times 1000 \times 9}{2^5 \times 5^4 \times 3^2}$$

$$(v) \quad \frac{5^7 \times 125 \times 6^5}{3^5 \times 10^5}$$