



Assumption College Ubonratchathani
English for Math 2

Name _____

Class _____

No _____

Writing Numbers in Exponent Form

$$\frac{a^n}{b^n} = \left(\frac{a}{b}\right)^n$$



Example: Write in exponent form: $\frac{25}{9}$

Answer: $\frac{25}{9} = \frac{5 \times 5}{3 \times 3} = \frac{5^2}{3^2} = \left(\frac{5}{3}\right)^2$

Instruction: *Write each number in exponent form.*

1. $\frac{4}{9} = \left(\frac{\square}{\square}\right)^\square$

A. $\left(\frac{2}{3}\right)^2$

B. $\left(\frac{2}{3}\right)^3$

2. $\frac{16}{25} = \left(\frac{\square}{\square}\right)^\square$

A. $\left(\frac{2}{5}\right)^4$

B. $\left(\frac{4}{5}\right)^2$

3. $\frac{27}{64} = \left(\frac{\square}{\square}\right)^\square$

A. $\left(\frac{3}{8}\right)^2$

B. $\left(\frac{3}{4}\right)^3$

4. $\frac{36}{121} = \left(\frac{\square}{\square}\right)^\square$

A. $\left(\frac{6}{11}\right)^2$

B. $\left(\frac{6}{12}\right)^2$

5. $\frac{8}{27} = \left(\frac{\square}{\square}\right)^{\square}$

A. $\left(\frac{2}{3}\right)^3$

B. $\left(\frac{4}{9}\right)^2$

6. $\frac{1}{32} = \left(\frac{\square}{\square}\right)^{\square}$

A. $\left(\frac{1}{2}\right)^4$

B. $\left(\frac{1}{2}\right)^5$

7. $\frac{-27}{64} = \left(\frac{\square}{\square}\right)^{\square}$

A. $\left(\frac{-3}{4}\right)^3$

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

8. $\frac{25}{49} = \left(\frac{\square}{\square}\right)^{\square}$

A. $\left(\frac{5}{7}\right)^2$

B. $\left(\frac{5}{7}\right)^3$

9. $\frac{64}{125} = \left(\frac{\square}{\square}\right)^{\square}$

A. $\left(\frac{8}{25}\right)^2$

B. $\left(\frac{4}{5}\right)^3$

10. $\frac{81}{49} = \left(\frac{\square}{\square}\right)^{\square}$

A. $\left(\frac{9}{7}\right)^2$

B. $\left(\frac{3}{7}\right)^4$

