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ALGEBRA 1 · 5 MINUTES · START RIGHT AWAY

Lesson 6-1c **Evaluate Expressions Using the Properties of Exponents**

Name _____ Date _____ Per _____

1 FLUENCY

Evaluate without a calculator.

$27^{2/3} =$ ☐

2 VISUAL MODEL

Complete the steps to evaluate $16^{3/4}$.

16 → (4th root) ☐ → (cube) ☐

3 APPLICATION

A class models a fruit-fly population with $32^{t/5}$ hundred flies after t days. How many flies are there after 3 days?

$32^{3/5} =$ ☐ hundred = ☐ flies

WORK

4 REASONING

Compare without calculating each value. Use properties of exponents.

A: $4^{1/2} \cdot 4$ B: $(4^{3/4})^2$

A is greater **B is greater** **equal**

_____

*We don't divide our effort, we **multiply** it!*

✎ Show your work ✓ Check your work ★ Try your best

Preview - the full worksheet and its answer key are at primeworksheet.com