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ALGEBRA 2 · 5 MINUTES · START RIGHT AWAY

Lesson 6-3d

Evaluate Common and Natural Logarithms

Name _____ Date _____ Per _____

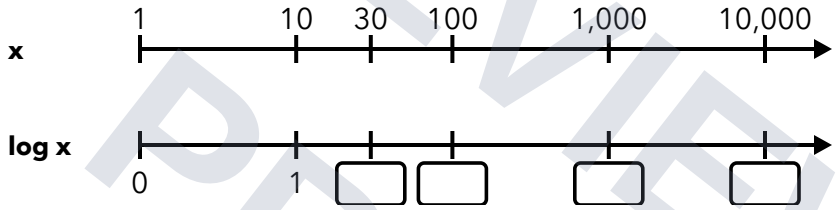
1 FLUENCY

Evaluate without a calculator. (log means base 10; ln means base *e*.)

log 1,000 = ☐ **log 0.01 =** ☐ **ln e^5 =** ☐

2 VISUAL MODEL

The top line shows numbers; the bottom shows their common logs. Fill in the boxes. Use a calculator for 30 (nearest hundredth).



3 APPLICATION

The pH of a liquid is pH = −log[H⁺]. Tomato juice has [H⁺] = 3.2 × 10^{-5} moles per liter. Find its pH to the nearest hundredth.

pH = ☐

WORK

4 REASONING

Without a calculator, which is greater: ln 50 or log 50? Explain.

ln 50 or **log 50**

*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