DO NOW

ALGEBRA 2 · 5 MINUTES · START RIGHT AWAY

Lesson 4-3e

Divide Rational Expressions

Name _____ Date _____ Per _____

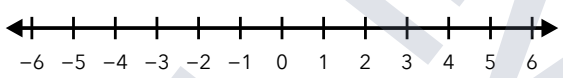
1 FLUENCY

Divide and simplify.

$$\frac{4x}{x+3} \div \frac{8x^2}{x^2-9} = \frac{\square}{\square}$$

2 VISUAL MODEL

For $\frac{x+1}{x-2} \div \frac{x+5}{x-4}$, mark every excluded value with an open circle.



$x \neq$ ☐

3 APPLICATION

A rectangle has area $\frac{x^2+7x+12}{x}$ and width $\frac{x+3}{2x}$. Find its length.

Length = _____

WORK

4 REASONING

Kim's work: $\frac{2}{x} \div \frac{4}{x^2} = \frac{x}{2} \cdot \frac{4}{x^2} = \frac{2}{x}$. Is Kim correct? If not, give the right answer.

Yes or **No** Correct answer: $\frac{\square}{\square}$

_____

*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