DO NOW

ALGEBRA 1 · 5 MINUTES · START RIGHT AWAY

Lesson 5-1d **Determine Rate of Change**

Name _____ Date _____ Per _____

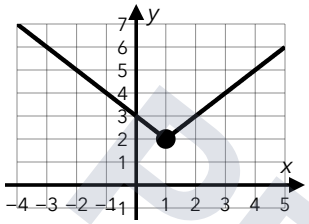
1 FLUENCY

Find the average rate of change of $f(x) = |x - 2|$ over $-4 \le x \le 2$.

$$\frac{f(2) - f(-4)}{2 - (-4)} = \square$$

2 VISUAL MODEL

Use the graph of $g(x) = |x - 1| + 2$ to find each average rate of change.



Interval	Rate
$-3 \le x \le 1$	
$1 \le x \le 4$	
$-1 \le x \le 3$	

3 APPLICATION

A runner's distance (m) from a water station is $d(t) = |150t - 600|$, t in minutes. Find the average rate of change from $t = 0$ to $t = 6$.

☐ meters per minute

WORK

4 REASONING

Ava says the average rate of change of $f(x) = |x|$ from $x = -3$ to $x = 3$ is 1, because the right side has slope 1. Is she correct? Explain.

Yes or **No**

_____

_____

*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