Algebra 1 5.2 *6th grade standard Solve linear inequalities by using multiplication*
Solve linear inequalities by using division*

multiplication property of (in)equality division property of (in)equality triangle puzzle (if time)

(neg) > (neg)

whiteboards

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$$-\frac{n}{6} \le 8$$
 2B. $-\frac{4}{3}p > -10$

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Example 3 Divide to Solve an Inequality

Solve each inequality. Graph the solution on a number line.

$$a. \frac{60t}{60} > 8$$

GuidedPractice

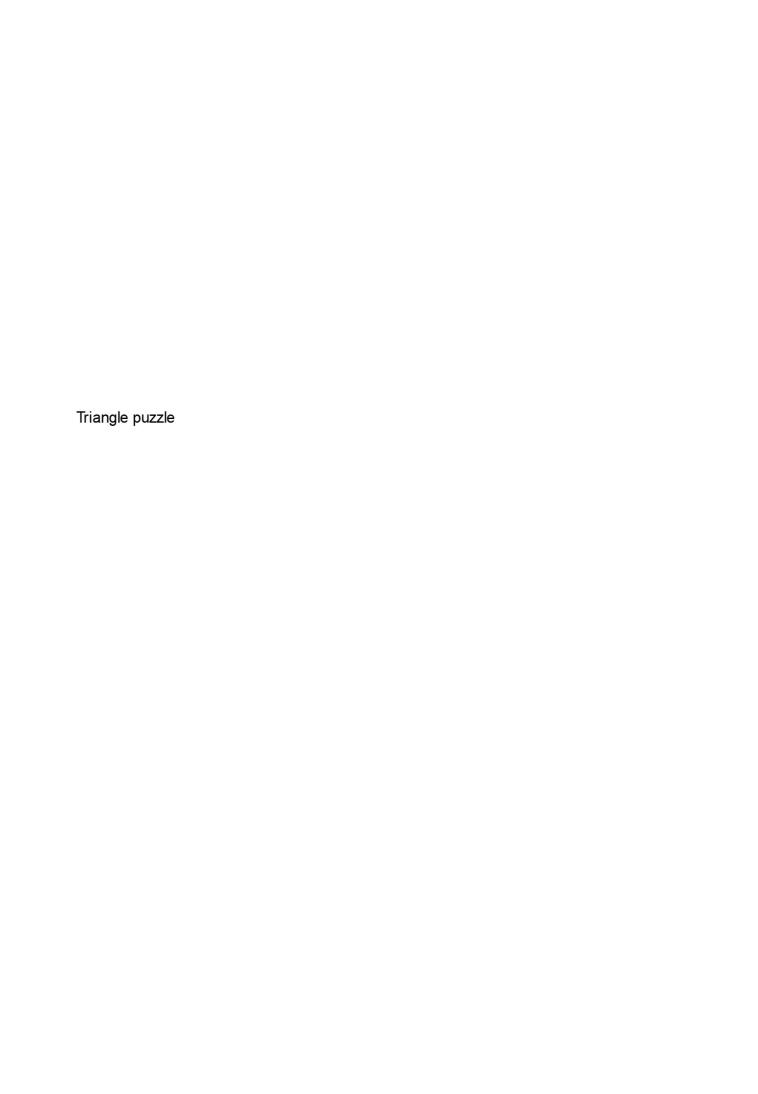
3A.
$$8p \le 58$$

3B.
$$-42 \ge 6r$$

Solve + graph: 30. -12h > 15

3D. $-\frac{1}{2}n \le 6$

5.2 WB Skils 1-6 7-27 odd



PT

Real-World Example 1 Write and Solve an Inequality

SURVEYS Of the students surveyed at Madison High School, fewer than eightyfour said they have never purchased an item online. This is about one eighth of those surveyed. How many students were surveyed?

$$\frac{8}{1} \cdot \frac{1}{8} \times < 84 \cdot \frac{8}{8}$$

