DO NOW

GEOMETRY · 5 MINUTES · START RIGHT AWAY

Lesson 6-1b **Apply the Polygon Interior Angle-Sum Theorem**

Name _____ Date _____ Per _____

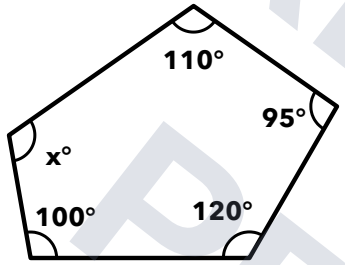
1 FLUENCY

Find the sum of the interior angles of a 12-gon.

$(12 - 2) \cdot 180° =$ ☐

2 VISUAL MODEL

Find the value of x.



angle sum: ☐

$x =$ ☐

3 APPLICATION

The interior angles of a gazebo floor add up to 1260°. How many sides does the floor have? If the floor is a regular polygon, find each interior angle.

sides: ☐ each angle: ☐

WORK

4 REASONING

Which can NOT be the interior angle sum of a polygon?

(A) 900° (B) 1620° (C) 1000° (D) 1080°

*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