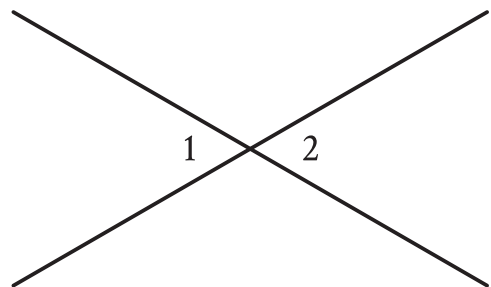


# Question ID d71a584b

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Geometry and Trigonometry	Lines, angles, and triangles	Easy

ID: d71a584b



Note: Figure not drawn to scale.

In the figure, two lines intersect at a point. Angle **1** and angle **2** are vertical angles. The measure of angle **1** is **72°**. What is the measure of angle **2**?

- A. **72°**
- B. 108°
- C. 144°
- D. 288°

ID: d71a584b Answer

Correct Answer: A

Rationale

Choice A is correct. It’s given that angle **1** and angle **2** are vertical angles, and the measure of angle **1** is **72°**. Vertical angles have equal measures. Therefore, the measure of angle **2** is **72°**.

Choice B is incorrect. This is the measure of an angle that is supplementary, not congruent, to angle **1**.

Choice C is incorrect. This is the sum of the measures of angle **1** and angle **2**.

Choice D is incorrect and may result from conceptual or calculation errors.

Question Difficulty: Easy