

GMAT Geometry Practice Test 5

GMAT Practice question 1

Which of two triangles has greater area, $\triangle ABC$ or $\triangle DEF$?

Statement 1: $\angle A \cong \angle D$; $\angle B \cong \angle E$

Statement 2: $AB = 1.1 \cdot DE$

Possible Answers:

EITHER statement ALONE is sufficient to answer the question.

BOTH statements TOGETHER are insufficient to answer the question.

Statement 2 ALONE is sufficient to answer the question, but Statement 1 ALONE is NOT sufficient to answer the question.

Statement 1 ALONE is sufficient to answer the question, but Statement 2 ALONE is NOT sufficient to answer the question.

BOTH statements TOGETHER are sufficient to answer the question, but NEITHER statement ALONE is sufficient to answer the question.

GMAT Practice question 2

Is triangle ABC with sides a, b and c acute angled?

1. Triangle with sides a^2 , b^2 , c^2 has an area of 140 sq cms.
2. Median AD to side BC is equal to altitude AE to side BC.

GMAT Practice question 3

Calculate the area of a circle.

1. The radius of the circle is 4.
2. The circumference of the circle is 24.

Possible Answers:

Statements 1 and 2 together are not sufficient, and additional data is needed to answer the question

Statement 2 alone is sufficient, but statement 1 alone is not sufficient to answer the question

Statement 1 alone is sufficient, but statement 2 alone is not sufficient to answer the question

Both statements taken together are sufficient to answer the question, but neither statement alone is sufficient

Each statement alone is sufficient

GMAT Practice question 4

Give the perimeter of $\triangle ABC$.

Statement 1: $AB + BC = 24$

Statement 2: $BC + AC = 24$

Possible Answers:

Statement 1 ALONE is sufficient to answer the question, but Statement 2 ALONE is NOT sufficient to answer the question.

BOTH statements TOGETHER are sufficient to answer the question, but NEITHER statement ALONE is sufficient to answer the question.

EITHER statement ALONE is sufficient to answer the question.

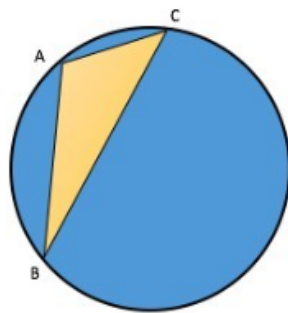
BOTH statements TOGETHER are insufficient to answer the question.

Statement 2 ALONE is sufficient to answer the question, but Statement 1 ALONE is NOT sufficient to answer the question.

GMAT Practice question 5

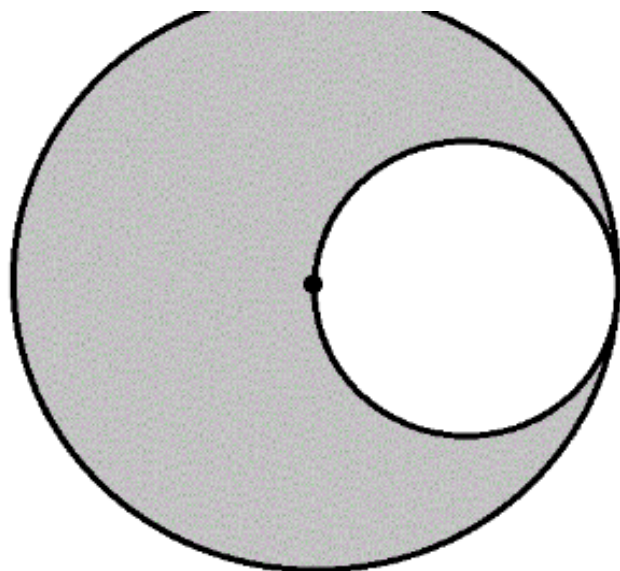
A circle circumscribes the triangle ABC and length of the three sides of the triangle are 8 cm, 15 cm and 17 cm respectively.

Find out the radius of the circle.



1. 4.5
 2. 7.5
 3. 8.5
 4. 10.5
 5. Cannot be determined
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GMAT Practice question 6



What is the area of the gray region in the above figure?

Statement 1: The diameter of the larger circle is one mile.

Statement 2: The radius of the smaller circle is 1,320 feet.

Possible Answers:

Statement 2 ALONE is sufficient to answer the question, but Statement 1 ALONE is NOT sufficient to answer the question.

Statement 1 ALONE is sufficient to answer the question, but Statement 2 ALONE is NOT sufficient to answer the question.

EITHER statement ALONE is sufficient to answer the question.

BOTH statements TOGETHER are sufficient to answer the question, but NEITHER statement ALONE is sufficient to answer the question.

BOTH statements TOGETHER are insufficient to answer the question.