

MCAS Mathematics - Grade 6 - Week of April 27th

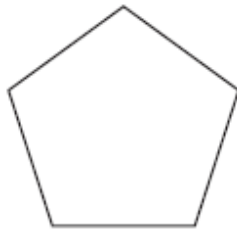
Question 6: Multiple-Choice

Reporting Category: Measurement

Standard: 6.M.7



A drawing of a pentagon is shown below.



What is the sum of the measures of the interior angles of the pentagon?

- A. 180°
- B. 360°
- C. 540°
- D. 720°

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Question 18: Multiple-Choice

Reporting Category: Measurement

Standard: 6.M.2



The measure of an angle is 100° . What kind of angle is this?

- A. right
- B. acute
- C. obtuse
- D. straight

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Question 27: Open-Response

Reporting Category: Measurement

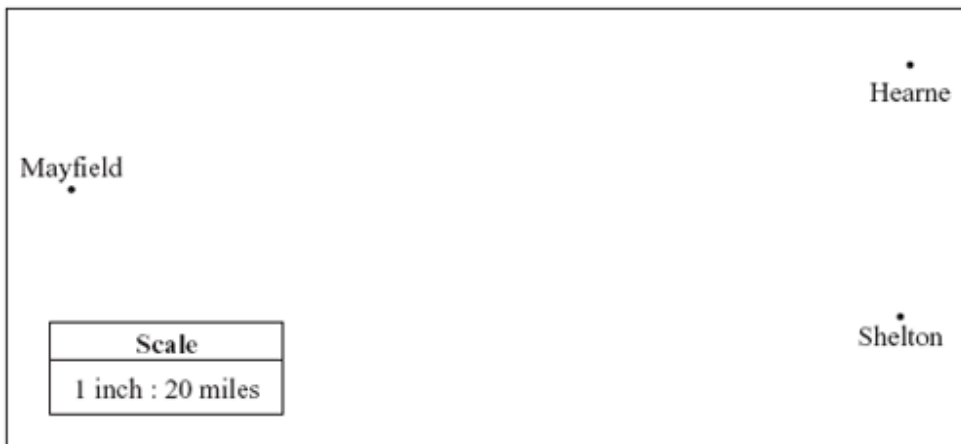
Standard: 6.M.3



Use your MCAS ruler to answer question 27.

NOTE to Web site users: The Web release graphic for item #27 is not to scale; please be aware that students will not get accurate measurements when using the Web printout of this item.

Part of a map is shown below. Each point is labeled to indicate the town that it represents. The map has a scale in which 1 inch represents 20 miles.



- Using your MCAS ruler, what is the distance, in inches, between Mayfield and Shelton on the map?
- What is the actual distance, in miles, between the towns of Mayfield and Shelton? Show or explain how you used the scale to get your answer.
- What is the actual distance, in miles, between the towns of Hearne and Shelton? Show or explain how you used the scale to get your answer.
- The town of Sawyer is located 50 miles from Mayfield. On the full map, what should be the distance, in inches, between Sawyer and Mayfield? Show or explain how you got your answer.

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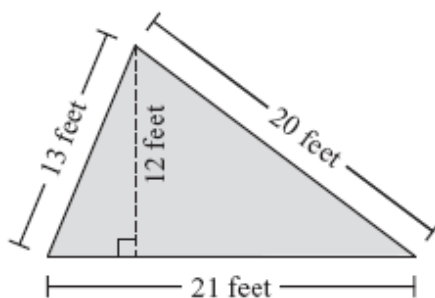
Question 30: Short-Answer

Reporting Category: Measurement

Standard: 6.M.1



The shaded figure below represents Peggy's garden.



Based on the dimensions in the figure, what is the perimeter, in feet, of Peggy's garden?

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