

Mathematics, Grade 6

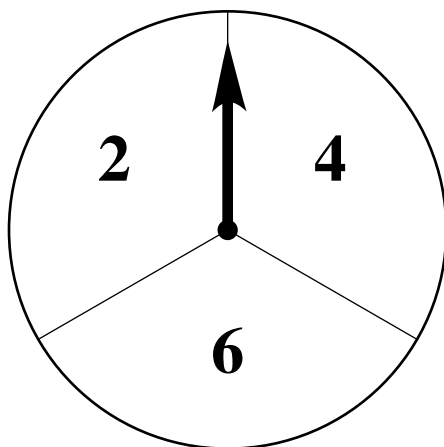
- 5 Teresa is covering the floor of her kitchen with tiles. Each square tile covers 4 square feet. If her kitchen floor is a rectangle measuring 16 feet by 10 feet, how many tiles will she need?
- A. 13
 - B. 26
 - C. 30
 - D. 40

Reporting Category for Item 5: Measurement

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Use the spinner below to answer question 6.

- 6 Ramón is going to spin the arrow on the spinner twice and add the results.



What is the **most likely** sum of the two spins?

- A. 6
- B. 8
- C. 10
- D. 12

Reporting Category for Item 6: Data Analysis, Statistics, and Probability

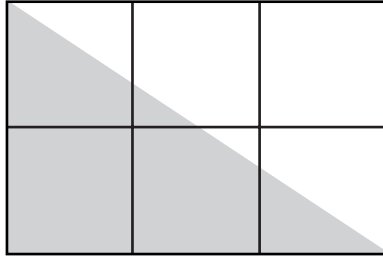
- 7 Earth's atmosphere is 78.08% nitrogen and 20.95% oxygen. What percent of Earth's atmosphere is made up of gases other than nitrogen and oxygen?

- A. 0.0097
- B. 0.097
- C. 0.97
- D. 97

Reporting Category for Item 7: Number Sense and Operations

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- 8 Each of the 6 small squares in the figure below measures 1 inch on each side.



Which of the following is **closest** to the area of the shaded portion of the figure?

- A. 2 square inches
- B. 3 square inches
- C. 4 square inches
- D. 5 square inches

Reporting Category for Item 8: *Measurement*