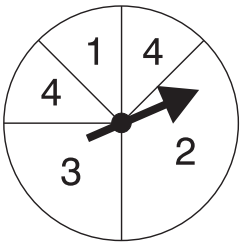
Session 3, Multiple-choice Questions

Use the spinner shown to answer question 25.



25. What is the probability of spinning an odd number on this spinner?

A. $\frac{1}{2}$

B. $\frac{3}{8}$

C. $\frac{1}{4}$

D. $\frac{2}{5}$

Reporting Category/Substrand for Item 25: ***Statistics and Probability*/Probability (p. 147)**

26. A triangle is a right triangle if the lengths, a, b, and c, of its three sides satisfy the following equation:

$$a^2 + b^2 = c^2$$

Which of the following is a right triangle?

A. a triangle with sides measuring 13, 15, and 19

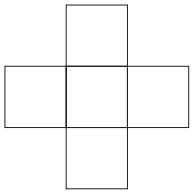
B. a triangle with sides measuring 17, 25, and 36

C. a triangle with sides measuring 20, 21, and 29

D. a triangle with sides measuring 18, 23, and 41

Reporting Category/Substrand for Item 26: ***Patterns, Relations, and Functions*/Algebra (p. 145)**

Use the figure below to answer question 27.



27. The area of each square in the figure is 16 square units. What is the perimeter of the figure?

A. 32 units

B. 16 units

C. 48 units

D. 64 units

Reporting Category/Substrand for Item 27: ***Geometry and Measurement*/Geometric Measurement (pp. 146-147)**

28. A large jar holds about 2,000 jelly beans. Ms. Lee emptied bags of jelly beans into the jar until it was filled. There were 5 bags left over. She challenged the class to estimate the number of **red** jelly beans in the big jar. The students counted the jelly beans in 5 unused bags. This is what they found.

Bag	1	2	3	4	5
Number of Red Jelly Beans	18	17	18	17	19
Total Number of Jelly Beans	129	115	121	132	124

Which number below **best** estimates the number of red jelly beans in the big jar?

A. 275

B. 225

C. 175

D. 150

Reporting Category/Substrand for Item 28: ***Statistics and Probability*/Statistics (p. 147)**