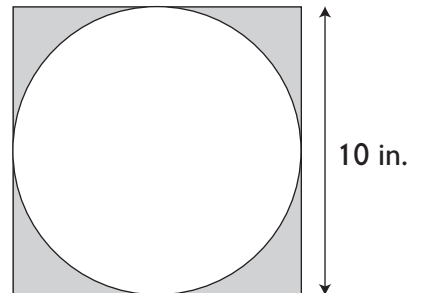


# Test A Unit 7: Circles

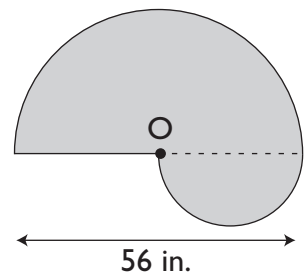
## Chapter 3: Composite Figures

In this test, take  $\pi = 3.14$  unless otherwise stated.

- The figure shows a circle within a square. Find the area and perimeter of the shaded part. Give your answers correct to 2 decimal places.



- The figure shows two semicircles.  $O$  is the center of the circle from which the larger semicircle was obtained. Find the area and perimeter of the figure. (Take  $\pi = \frac{22}{7}$ )



**Test  
B****Unit 12: Probability****Chapter 2: Theoretical Probability of  
Simple Events I**

Circle the correct option, **A**, **B**, **C** or **D**.

1. A box contains 3 green counters, 5 red counters and 6 yellow counters. A counter is selected at random. Find the probability that the selected counter is yellow.

**A**  $\frac{1}{6}$

**C**  $\frac{3}{4}$

**B**  $\frac{3}{7}$

**D**  $\frac{1}{14}$

Refer to the information below to answer Questions 2 to 5.

Janet rolls a regular eight-sided die with numbers 1 to 8.

2. Find the probability that she gets a 5.

**A**  $\frac{1}{5}$

**C**  $\frac{1}{8}$

**B**  $\frac{5}{8}$

**D**  $\frac{7}{8}$

3. Find the probability that she gets an odd number.

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

**C**  $\frac{1}{8}$

**B**  $\frac{1}{4}$

**D**  $\frac{7}{8}$

4. Find the probability that she gets a result less than 3.

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

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

**B**  $\frac{1}{3}$

**D**  $\frac{3}{8}$

**Test  
B****Unit 13: Negative Numbers****Chapter 2: Multiplication and Division**

Circle the correct option, **A**, **B**, **C** or **D**.

1. Evaluate  $6 \times (-8)$ .

**A** -48

**C** -3

**B** -12

**D** 48

2. Evaluate  $(-3) \times 33$ .

**A** -99

**C** 30

**B** -36

**D** 99

3. Evaluate  $(-34) \div 17$ .

**A** -17

**C** 2

**B** -2

**D**  $-\frac{1}{2}$

4. Evaluate  $(-24) \div 7$ .

**A** 3.7

**C**  $4\frac{3}{7}$

**B**  $-3\frac{3}{7}$

**D**  $3\frac{3}{7}$

5. Which of the following is equivalent to  $(-5) \times (-5)$ ?

**A**  $(5)^2$

**C**  $(-10)$

**B**  $(-)(5)^2$

**D**  $(-2)(-5)$