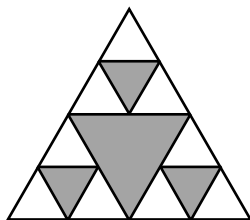


Chapter 1 Practice Test

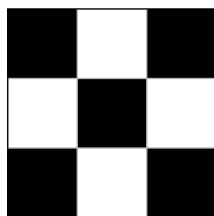
For #1 to #4, choose the best answer.

1. Which design has rotation symmetry of order 2?

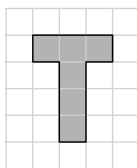
A



B



C



D



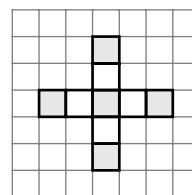
2. How many lines of symmetry does the design have?

A 0

B 1

C 2

D 4



3. Which figure does NOT have rotation symmetry?

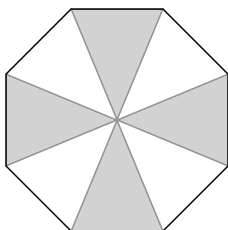
A



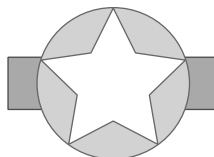
B



C



D

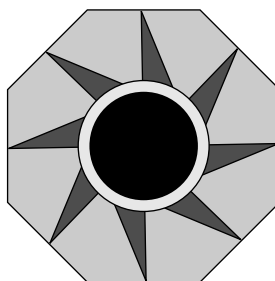


Complete the statements in #4.

4. The design has rotation symmetry.

a) The order of rotation is _____

b) The angle of rotation is _____

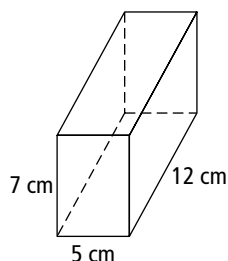


Short Answer

5. Use these upper-case letters: A B C D E F G H I J K L M N
O P Q R S T U V W X Y Z

- List 5 letters that have horizontal line symmetry. _____
- List 5 letters that have vertical line symmetry. _____
- List 1 letter that has oblique line symmetry. _____
- List 5 letters that have rotation symmetry where the angle of rotation is 180° .

6. a) What is the surface area of the rectangular prism?



- b) The rectangular prism has a 1-cm cube cut out of 4 of its corners.

How many faces of each cube are visible before they are removed? _____

How many faces are visible after they are removed? _____

What is the surface area of this rectangular prism with 4 of its corners removed?

