

## Instructions

In this worksheet, you will perform transformations by combining and splitting two-dimensional shapes. Read each question carefully and show your work in the spaces provided.

### 1. Combining Shapes

Look at the shapes below. If you combine a square with a triangle, what shape do you get? Draw it in the space below and name the new shape.

Combined Shape:

Name of the New Shape:

### 2. Splitting Shapes

Imagine you have a rectangle. If you split it into two equal parts, what shapes do you get? Draw one of the shapes and write how you split the rectangle below.

How did you split the rectangle?

One Part Shape:

### 3. Shape Transformation Challenge

Draw a circle and then transform it into a different shape by adding two straight lines. Describe how you transformed the circle in the space below:

Describe the transformation:

Transformed Shape:

### 4. Reflection

Think about the shapes you created. What did you enjoy most about combining and splitting shapes? Write your thoughts below:

What I enjoyed most: