

# 4 1 practice form g congruent figures cfilms

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### 4.1 Practice Form G: Congruent Figures

#### 1. What is congruence?

**Answer:** Congruence is a geometric property that describes two figures that have the same shape and size. In other words, the figures are identical in every way.

#### 2. What are the different types of congruent figures?

**Answer:** There are three main types of congruent figures: triangles, quadrilaterals, and circles. Triangles are congruent if they have the same length of sides and angles. Quadrilaterals are congruent if they have the same length of sides and angles. Circles are congruent if they have the same radius.

#### 3. How do you prove that two figures are congruent?

**Answer:** There are a number of different ways to prove that two figures are congruent. One common method is to use the Side-Side-Side (SSS) theorem. This theorem states that if two triangles have the same length of sides, then they are congruent. Another common method is to use the Angle-Side-Angle (ASA) theorem. This theorem states that if two triangles have the same length of two sides and the same measure of the angle between them, then they are congruent.

#### 4. What are some examples of congruent figures in real life?

**Answer:** There are many examples of congruent figures in real life. For example, the two wheels on a car are congruent. The two sides of a square are congruent. The two diagonals of a rhombus are congruent.

## 5. Why is it important to be able to identify congruent figures?

**Answer:** Being able to identify congruent figures is important for a number of reasons. For example, it can help you to solve geometry problems. It can also help you to understand the relationships between different shapes.

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