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**Teaching Point:** SWBAT write equations to represent and solve perimeter problems

**Essential Questions**

How can you write equations to represent and solve perimeter problems?

**Vocabulary**

The **perimeter** is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ around a two-dimensional shape. It is the \_\_\_\_\_\_\_\_\_\_ of the side lengths.

**STEPS**

**1) Sketch the shape and label the sides**

**2) Write an equation to represent the perimeter**

**3) Solve the equation**

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| **Example** The sides of a triangle are three consecutive integers. The perimeter of the triangle is 45 inches. Find the lengths of sides of the triangle. 1. Use a tape diagram (bar model) to find the side lengths.
2. Write an equation that could be used to find the side lengths.

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