2.8: APPLYING THE DISTRIBUTIVE PROPERTY

Example 1) A rectangular stage has the dimensions shown below.

1. Write a **simplified** expression for the **perimeter** of the stage.
2. Write a **simplified** expression for the **area** of the stage.
3. Determine the **perimeter** of the stage if ***y* = 3 metres**.
4. Determine the **area** of the stage if ***y* = 3 metres**.

 



Example 2) Consider the figure:









1. Fill in expressions for the missing sides.
2. Write and simplify an expression for the perimeter of the figure.

1. Write, expand and simplify an expression for the area of the figure.