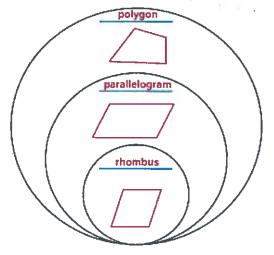
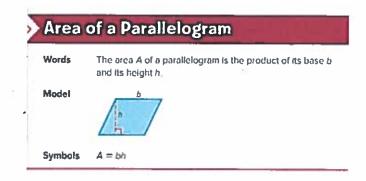
Chapter 9 Lesson 1: Area of Parallelograms

A polygon is a closed figure formed by 3 or more straight lines. A parallelogram is a quadrilateral with opposite sides parallel and opposite sides the same length. A rhombus is a parallelogram with four equal sides. Fill in the lines in the diagram with polygon, parallelogram, or rhombus and draw an example of each.



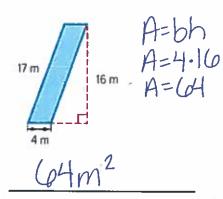


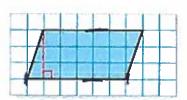
The area of a parallelogram is related to the area of a rectangle as you discovered in the previous Inquiry Lab.



Parallelograms include special quadrilaterals, such as rectangles, squares, and rhombi.

Examples: Find the area

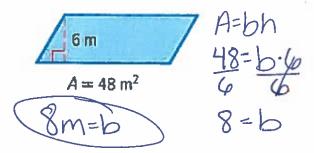


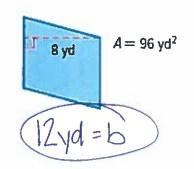


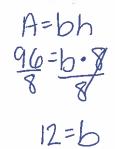
A=bh A=6-3 A=18

18 units2

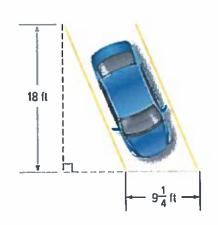
Use the formula A=bh to find the missing dimensions.







Find the area of the sparking space shown in the picture.



$$\frac{18}{1} \times \frac{37}{4} = \frac{660}{4}$$

Find the area of the shaded region in each figure.

25 ft

