

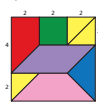
## How Do the Activities Work?

**1** Each activity is fully described in the Pupil Edition. Suggestions for the classroom are given in “Laurie’s Notes” in the Teaching Edition.

**2** Students record their work in the *Record and Practice Journal*, a consumable workbook.






**1.5 Using Formulas to Solve Problems**

**Essential Question** How can you use formulas to find the area of an object with an unusual shape?




**ACTIVITY: Using an Area Formula**

Work with a partner. Copy and complete the table.

Polygon	Name	Area Formula	Area
	Square	$A = s^2$	$s = 2$ $A = 2^2$ $= 4$ square units
	Trapezoid	$A = \frac{1}{2}(b_1 + b_2)h$	
			
			
			

**ACTIVITY: Finding an Area**


Work with a partner. Use the shapes from Activity 1 to find the area of the sailboat. Explain your reasoning.



**ACTIVITY: Finding an Area**

Work with a partner. Use the shapes from Activity 1 to create the picture.

a. house      b. rabbit      c. bird



20 square units      36 square units      32 square units

**What Is Your Answer?**

4. **IN YOUR OWN WORDS** How can you use formulas to find the area of an object with an unusual shape?

5. Show how you can use the formula  $A = bh$  for the area of a rectangle to write the formula for the area of a parallelogram.

6. Show how you can use the formula  $A = \frac{1}{2}bh$  for the area of a triangle to write the formula for the area of a triangle.

**Practice** Use what you learned about using formulas to complete Exercises 3–5 on page 32.

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**3** Teachers can use the *Dynamic Classroom* to demonstrate the activities in class.

