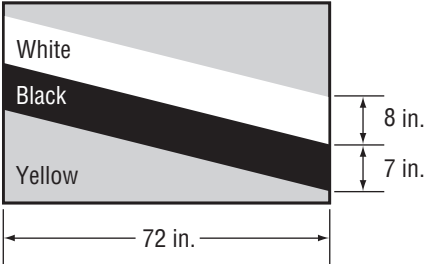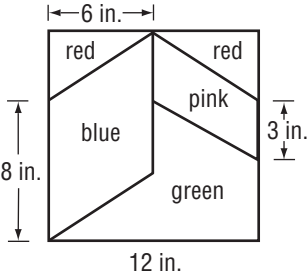# Lesson 1 Problem-Solving Practice

Area of Parallelograms

1. SUNFLOWERS Manu is a sunflower farmer. His farm is in the shape of a parallelogram with a height measuring 3.5 kilometers and a base measuring 4.25 kilometers. What is the total land area Manu uses?

2. VOLLEYBALL Tara and Veronica are in charge of making a banner for the volleyball game this Saturday. How much poster paper will they need for a parallelogram-shaped banner with height $3\frac{1}{2}$ feet and base $6\frac{1}{4}$ feet?

3. FLAGS Joseph is painting the flag of Brunei (a country in Southeast Asia) for a geography project at school. How many square inches will he cover with white paint?

White

Black

8 in.

Yellow

7 in.

72 in.

4. FLAGS Use the flag from Exercise 3. How many square inches will Joseph cover with black paint?

5. QUILTING The pattern shows the dimensions of a quilting square that Nakida will use to make a quilt. How much blue fabric will she need? Explain how you found your answer.

6 in.

red   red

pink

blue   3 in.

green

8 in.

12 in.

6. QUILTING Use the quilting pattern from Exercise 5. There are 18 square inches of pink fabric. Find the height and base of the parallelogram labeled pink.