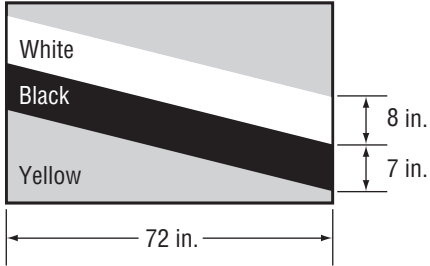
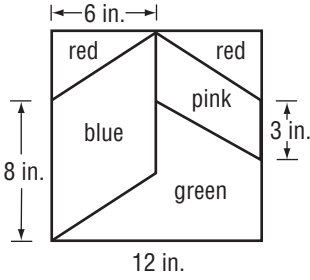


Lesson 1 Problem-Solving Practice

Area of Parallelograms

<p>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? 14.875 km²</p>	<p>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? $21\frac{7}{8}$ ft²</p>
<p>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?</p>  <p>576 in²</p>	<p>4. FLAGS Use the flag from Exercise 3. How many square inches will Joseph cover with black paint? 504 in²</p>
<p>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. 48 in²; The blue part is a parallelogram with an 8-in. base and a height of 6 in. Multiply 8 and 6 to find the area.</p> 	<p>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. 6 in. and 3 in.</p>

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