

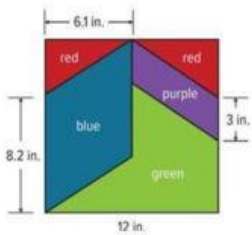
Name:

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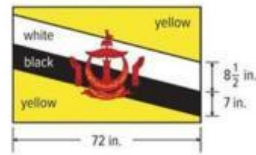
Lesson 8.1 Area of Parallelograms

1. The pattern shows the dimensions of a quilting square that Nakida will use to make a quilt. How much blue fabric will she need to make one square? (Example 1)



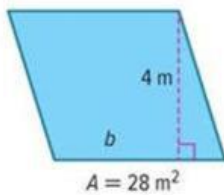
$$A = \quad \text{in}^2$$

2. A group of students is painting the flag of Brunei for a geography project. Joseph is responsible for painting only the background colors of the flag. How many square inches will he cover with white paint? (Example 1)



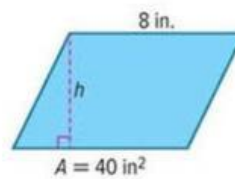
$$A = \quad \text{in}^2$$

3. Find the missing dimension of the parallelogram. (Example 2)



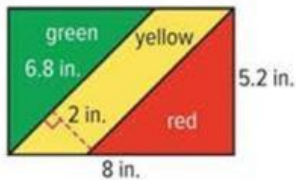
$$b = \quad \text{m}$$

4. Find the missing dimension of the parallelogram. (Example 2)



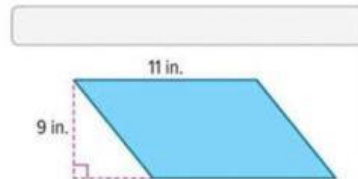
$$h = \quad \text{n}$$

5. Find the area of the yellow striped region of the flag of the Republic of the Congo.



$$A = \quad \text{in}^2$$

6. Open Response What is the area of the parallelogram?



$$A = \quad \text{in}^2$$