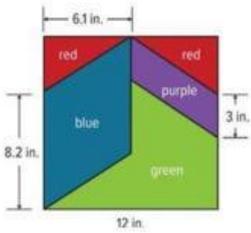| Name:	Class:	Date:

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)*


6.1 in.
red   red
purple
blue   3 in.
8.2 in.
green
12 in.

$A=$ ___ 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)*
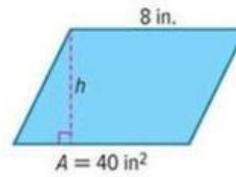

white
black
yellow
yellow
$8\frac{1}{2}$ in.
7 in.
72 in.
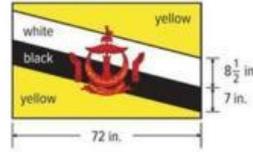
$A=$ ___ in^2

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

4 m
b
$A = 28\ m^2$
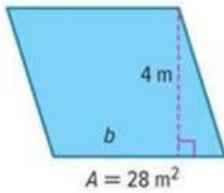
b= ___ m

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

8 in.
h
$A = 40\ in^2$

h= ___ n

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

green
6.8 in.
yellow
5.2 in.
2 in.
red
8 in.
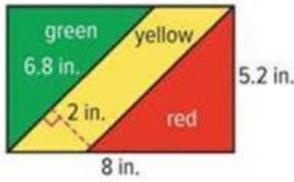
A= ___ in^2

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

11 in.
9 in.

A= ___ in^2