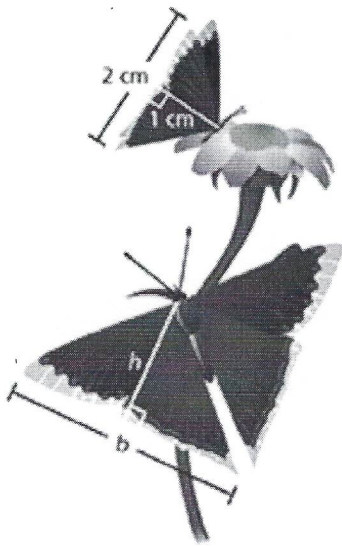


Complete number 5 in your composition book.

- 5) The base and height of the red butterfly wing are two times greater than the base and height of the blue butterfly wing. How many times greater is the area of the red wing than the area of the blue wing?



What are you trying to figure out?

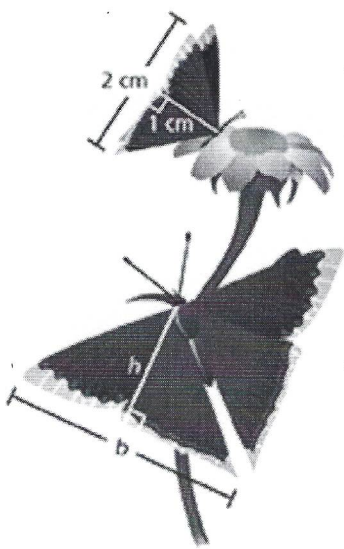
how much bigger the area of the red wing is than the blue wing

What information do you need in order to find your answer?

the area of the red wing and the area of the blue wing

Complete number 5 in your composition book.

- 5) The base and height of the red butterfly wing are two times greater than the base and height of the blue butterfly wing. How many times greater is the area of the red wing than the area of the blue wing?



$$\text{blue wing area} = \frac{2(1)}{2} = 1 \text{ cm}^2$$

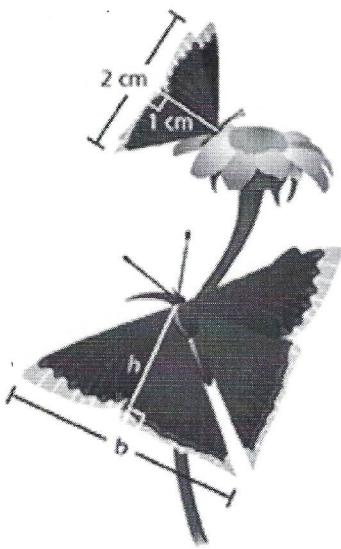
$$\text{red butterfly base is } 2 \times 2 = 4 \text{ cm}$$

$$\text{red butterfly height is } 2 \times 1 = 2 \text{ cm}$$

$$\text{area of red butterfly} = \frac{4(2)}{2} = 4 \text{ cm}^2$$

Complete number 5 in your composition book.

- 5) The base and height of the red butterfly wing are two times greater than the base and height of the blue butterfly wing. How many times greater is the area of the red wing than the area of the blue wing?



$$\text{blue wing area} = 1 \text{ cm}^2$$

$$\text{area of red butterfly} = 4 \text{ cm}^2$$

The red butterfly wing is how many times bigger than the blue butterfly wing?

$$4 = ? \cdot 1$$

$$4 = 1w$$

$$4 = w$$

The red butterfly wing is 4 times greater than the blue butterfly wing.

Complete number 5 on your notes page.

- 5) What if the base and height of the red wing were three times greater than those of the blue wing? How many times greater is the area of the red wing?



area of blue wing is 1 cm^2

$$\text{area of red wing} = \frac{6(3)}{2} = 9 \text{ cm}^2$$

$$\text{base } 3(2) = 6$$

$$\text{height } 3(1) = 3$$

$$9 = 9$$

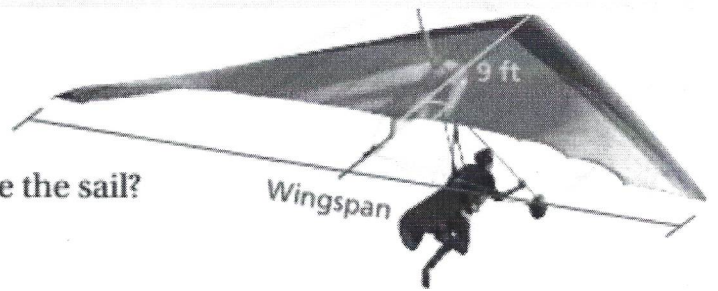
The red wing is 9 times greater than the blue wing.

Complete number 6 in your composition book.

6)

HANG GLIDING The wingspan of the triangular hang glider is 30 feet.

How much fabric is needed to make the sail?



$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(30)9$$

$$A = 15(9)$$

$$A = 135 \text{ ft.}^2$$