



Name \_\_\_\_\_

Date \_\_\_\_\_

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**Area and Perimeter**  
*Word Problems*  
**(4.MD.3)**

**Directions:** Solve the following word problem using numbers, pictures (model drawings), and words. 😊

Abraham has a tree fort that has the length of 5ft and a width of 4ft. Foo Yu Bing has a tree fort that has a length of 6ft and width of 3 ft. Draw each fort below in the space provided. What is the perimeter and area of each fort? Which fort has a longer perimeter? Which fort has more area?


1 sq ft



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## Key

### Abraham

					4ft				
		5 ft				6ft			
			3ft						

### Foo Yu Bing

$$P = 2l + 2w$$

$$A = l \times w$$

Abraham

Foo Yu Bing

$$P = 10\text{ft} + 8\text{ft} = 18\text{ft}$$

$$P = 12\text{ft} + 6\text{ft} = 18\text{ft}$$

$$A = 5\text{ft} \times 4\text{ft} = 20\text{ sq ft}$$

$$A = 6\text{ft} \times 3\text{ft} = 18\text{ sq ft}$$

Both forts have the same perimeter. Abraham's fort has a larger area at 20 sq ft.