



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. ☺

Donald is laying down floor tiles in two different rooms. Calculate the area and perimeter for each room so Donald knows how many tiles he needs.

3ft

3ft

				3ft				3ft	
								2 ft	
			6ft		1ft				
					3ft				3ft
							4 ft		

1 sq ft





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Key

3ft

3ft

				3ft				3ft	
								2 ft	
			6ft		1ft				
					3ft				3ft
							4 ft		
	Fig A						Fig B		

Fig A

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

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



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KEY

Fig B

$$P = 3\text{ft} + 3\text{ft} + 3\text{ft} + 2\text{ft} + 3\text{ft} + 4\text{ft} + 3\text{ft} + 1\text{ft} = \mathbf{22\text{ft}}$$

$$A = 3\text{ft} \times 1\text{ft} = 3 \text{ sq ft}$$

$$6\text{ft} \times 2\text{ft} = 12 \text{ sq ft}$$

$$3\text{ft} \times 2 \text{ ft} = 6 \text{ sq ft}$$

$$3 \text{ sq ft} + 12 \text{ sq ft} + 6 \text{ sq ft} = \mathbf{21 \text{ sq ft}}$$