Grade: 5 **Category:** Measurements **Sub Category: Convert units of length within customary form.** **Worksheet #:** 138Q

Complete the table (1 yard = 3 feet = 36 inches):

Yard	4				10	
Feet		6		15		
Inches			36			108

Answer the word problems below:

1. John is 4 feet tall and his father is 5 feet and 11 inches tall. What is the total height of both in inches?

2. The length of a room measures 5 yards. What is its length in feet?

3. Charlie has 2 ropes measuring 10 feet and 8 feet. What is the total length of rope in yards?

4. A pencil measures 8 inches. What will be the length of 3 such pencils in feet?

Table:

Yard	4	*2*	*1*	*5*	10	*3*
Feet	*12*	6	*3*	15	*30*	*9*
Inches	*144*	*72*	36	*180*	*360*	108

Word problems:

1. Total height of both = 4 feet + 5 feet 11 inches = 9 feet 11 inches = (9 × 12) + 11 = 119 inches.
   Ans. Height of both = 119 inches.

2. Length of room = 5 yards = 5 × 3 = 15 feet.
   Ans. Length of the room is 15 feet.

3. Total length of rope = 10 + 8 = 18 feet = 6 yards
   Ans. Total length of the rope is 6 yards.

4. Length of 3 pencils = 8 × 3 = 24 inches = 2 feet
   Ans. Length of 3 pencils is 2 feet.