

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 = $(9 \times 12) + 11 = 119$ inches.

Ans. Height of both = 119 inches.

2. Length of room = 5 yards = $5 \times 3 = 15$ 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 = $8 \times 3 = 24$ inches = 2 feet

Ans. Length of 3 pencils is 2 feet.