

G4-M7-Lesson 1

1. Complete the tables.

a.

Yards	Feet
1	3
4	12
10	30

1 yard = 3 feet. I multiply the number of yards by 3 to find the number of feet.

b.

Feet	Inches
1	12
3	36
9	108

1 foot = 12 inches. I multiply the number of feet by 12 to find the number of inches.

c.

Yards	Inches
1	36
2	72
4	144

1 yard = 3 feet, and 1 foot = 12 inches. To find the number of inches in 1 yard, I can multiply, $3 \times 12 = 36$. Now I multiply the number of yards by 36 to find the number of inches.

2. Solve.

a. 3 yards 2 inches = 110 inches

There are 36 inches in 1 yard.
 3×36 inches = 108 inches.

b. 12 yards 4 feet = 40 feet

There are 3 feet in 1 yard. 12×3 feet = 36 feet.

c. 3 yards 1 foot = 120 inches

I can solve this two ways: Convert yards and feet to inches, or convert yards to feet and then feet to inches.

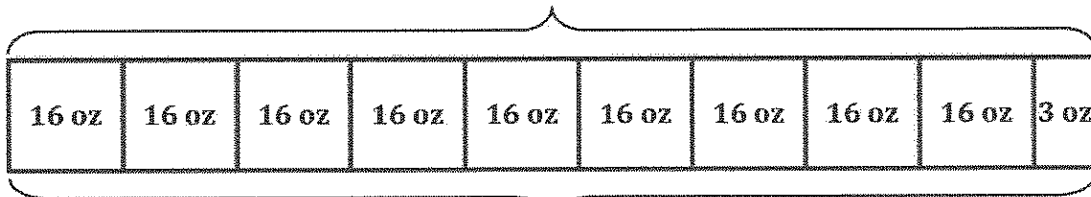
3. Complete the table.

Pounds	Ounces
1	16
3	48
5	80

1 pound = 16 ounces. I multiply the number of pounds by 16 to find the number of ounces.

4. Ronald's cat weighs 9 pounds 3 ounces. How many ounces does his cat weigh?

9 pounds 3 ounces



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1 unit: 16 ounces

9 units: 144 ounces

T = 144 ounces + 3 ounces

T = 147 ounces

Ronald's cat weighs 147 ounces.

$$\begin{array}{r} 16 \\ \times 9 \\ \hline 144 \end{array}$$

I can draw a tape diagram with 9 units of 16 ounces and 1 unit of 3 ounces because the cat weighs 9 pounds 3 ounces and each pound equals 16 ounces.

I can multiply 9×16 to find the number of ounces in 9 pounds. Then I can add 3 more ounces to find the total number of ounces.

5. Answer *true* or *false* for the following statement. If the statement is false, change the right side of the comparison to make it true.

2 kilograms < ~~1,900~~ grams false

2,001 grams

1 kilogram = 1,000 grams
 $2 \times 1,000$ grams = 2,000 grams
 2 kilograms = 2,000 grams

The statement is false because 2,000 grams is not less than 1,900 grams. The number on the right has to be greater than 2,000.