- 6. Tess makes hair bows to sell at the craft fair. Each bow requires 2.5 yards of ribbon.
 - a) At the fabric store, ribbon is sold by the foot. If Tess wants to make 12 bows, how many feet of ribbon must she buy? Show all your work.

STEP 1: How many yards does each bow need? 2.5

STEP 2: How many feet are in a yard? _______

STEP 3: How many feet does each bow need?

$$a.5y=a.5 \times (1y)$$

= $a.5 \times (3x+)$
= $7.5x+$

STEP 4: How many feet do 12 bows need?

7.5 feet x 12 bows

+ 750 900 tenths = 90 feet 12 bows need 90 feet of ribbon

b) If the ribbon costs 10¢ per foot, what is the total cost of the ribbon in dollars? Explain your reasoning, including how you decided where to place the decimal.

STEP 1: How much does one foot of ribbon cost? ______ 10 tents

STEP 2: How many feet of ribbon did she buy? _____90 feet

STEP 3: How much did the ribbon cost?

10cents x 90 = 900cents 900cents = \$9.00