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?
STEP 2: How many feet are in a yard?
STEP 3: How many feet does each bow need?
2.5 x 3
25 tenths x 3 = 75 tenths
75 tenths = 7.5 feet
STEP 4: How many feet do 12 bows need?
7.5 feet x 12 bows 12 bows
75 tenths need 90 feet of ribbon.
X12 OF ribbon,
$\frac{150}{200} + \text{enths} = 90$
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 cents

STEP 2: How many feet of ribbon did she buy? _____ 90 Feet

STEP 3: How much did the ribbon cost?

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