450 counters are picked from a bag. 72 counters that were picked were green. The ratio of green to red is 2:7. There are also pink and blue counters in the bag. The probability for picking blue is 3x + 0.1 and the probability of picking pink is 5x - 0.22. Work out the probability of picking green, red, blue and pink.

Colour	Green	Red	Blue	Pink
Probability				

P	robability of g	green $\frac{72}{450}$ =	= 0.16						
$0.16 \div 2 = 0.08$ $0.08 \times 7 = 0.56$				Green : F 2:7	Green : Red 2:7				
Probability alv	vays adds to	0.16 + 0. 1 $1 - 0.72$	56 = 0.72 2 = 0.28						
3x + 0.1 + 5x - 0.22 = 0.28 $8x = 0.4$ $x = 0.05$									
3(0.05) + 0.1 = 0.25 5(0.05) - 0.22 = 0.03				Probabil Probabil	Probability of blue Probability of pink				
	Colour	Green	Red	Blue	Pink				
	Probability	0.16	0.56	0.25	0.03				