

Select 3.

Prob (at least 1 Short hair)

1 Short

1 Short

2 Short

2 Short

2 Short

3 long

1 - Prob(Short) =
$$1 - \frac{3C_3}{7C_3} = \frac{1-\frac{1}{3}}{3}$$

Prob (at least one) = $1 - \frac{3C_3}{7C_3} = \frac{37}{3}$

Prob (at least one) = $1 - \frac{3C_3}{7C_3} = \frac{37}{3}$

Select 2. Prob (at most 1 male)

2 M

1 M

1 M

2 F

1 - SC2 = $1 - \frac{10}{21} = \frac{11}{21}$

Dependent - He result if the 2nd event depends on the result of the 1st event Independent - 2nd event is not influenced Dice by the result of the 1st event (same chance every tern) Combinations Individual Peob 2:3:1 Dependent events of 1) Indep events or No order No replacement is 2) Order or Replacement Replacement

BINDMIAL PROBABILTY (1+4) = 5 Coxy + 4 y + 5 5 56 55 5° 646 1) 2 possible outcomes 2) Independent Events (same chance every time) Prob (at least 8) Basketball Free Throws - William = free throw = 80% What Is the prob. he will hit 8 of his next 10? 10C2(8)(.2) + 10C1(.8)(.1) + (.8)

To find one exact event

binomial pdf Menu-5-5-A

At least/at most
binomial cdf Menu-5-5-B