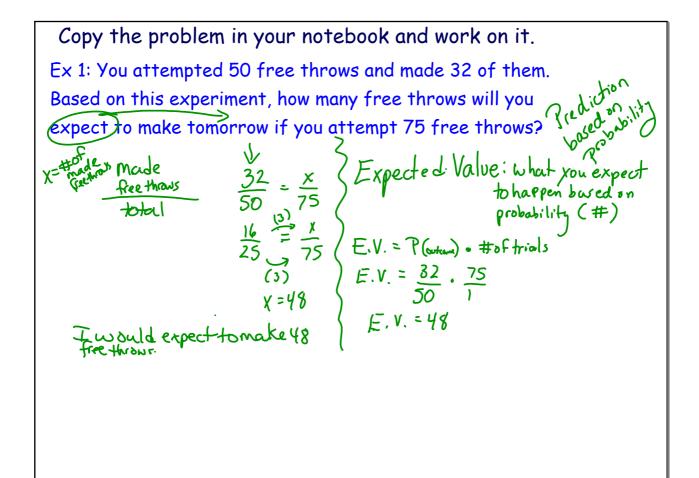
6th Grade FM: How do we find expected value?

Pick up packet 3A and start working on the review of the last lesson.

Skip around so you practice all the skills.



Ex 2: You roll a number cube 33 times How many times would you expect to roll a 3 or higher?

Ex 3: You pick a gum ball out of the bag and then you pick a Hershey Kiss from another bag. What is the probability that you will pick a blue gum ball and then pick a pink Hershey Kiss?

gum balls: Blue, Blue, Blue, Red, Yellow, Green, Green

Hershey Kisses: Pink, Green, Silver

=
$$\frac{3}{7}$$
 · $\frac{1}{3}$

There is a $\frac{1}{7}$ chance the blood pink hershey tiss.

= $\frac{3}{7}$

E.V. If you do this 49 times, how many times would you expect to get a blue gum ball and a pink Hershey Kiss?

yataly

PCSPS
PCSPS-

E.V. Me

I would expect to get ablue gumball and pink Hershey tiss 76 mes.

Proport

Ex 4: Keisha spins a spinner 100 times and gets the results shown in the table. If Keisha then spins the spinner 2,000 times, predict how many times you think the spinner would

land on red.		
E.V. = P(red) . #oftrials	outcomes	frequency
	Red	25
E.V. = 25, 2000	Yellow	8
E.V. = 500	Blue	67
300		

Keishawould expect to land on red 500 times.

100 outcomes

Probability Packets 3A and 3B

6th Grade FM 5.2 Expected Value.notebook	January 23, 20