

CC2 1.2.3: 1-75, 1-77, & 1-79 Student eTools (CPM)

Click the links below.

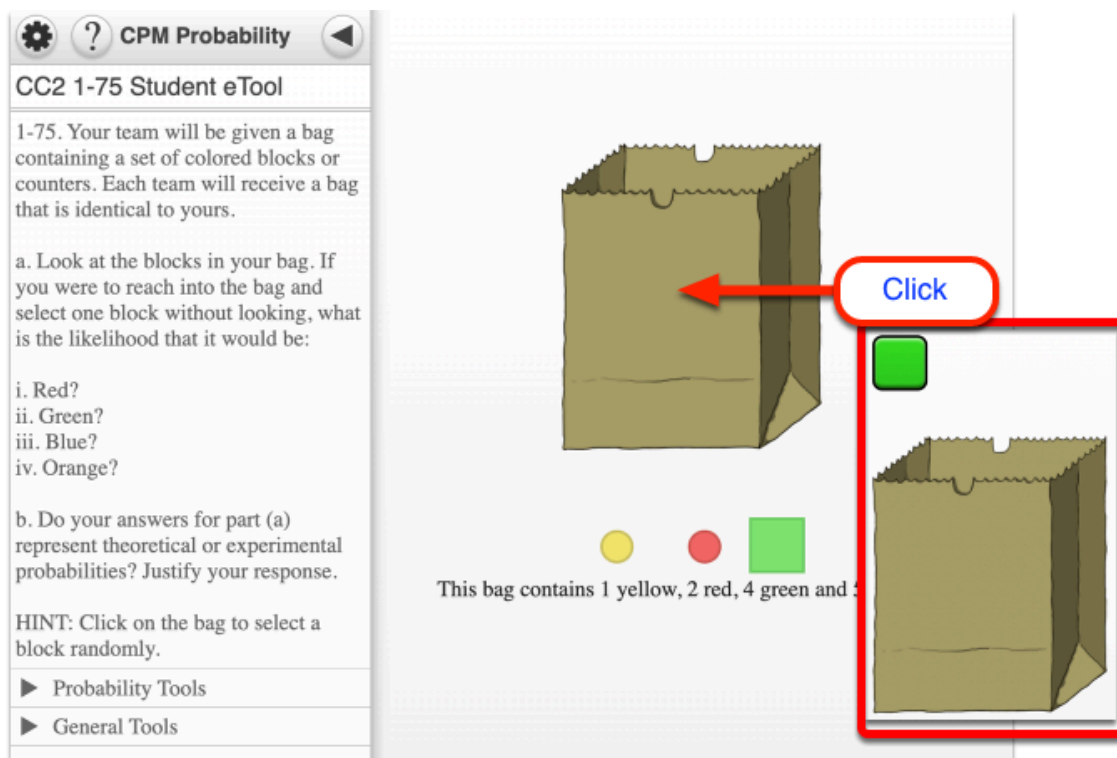
[CC2 1-75 Student eTool \(CPM\)](#)

[CC2 1-77 Student eTool \(CPM\)](#)

[CC2 1-79 Student eTool \(CPM\)](#)

CC2 1-75:

Click on the bag to select a block randomly.



CC2 1-77:

Click on the bag to select a block randomly.

CPM Probability

CC2 1-77 Student eTool

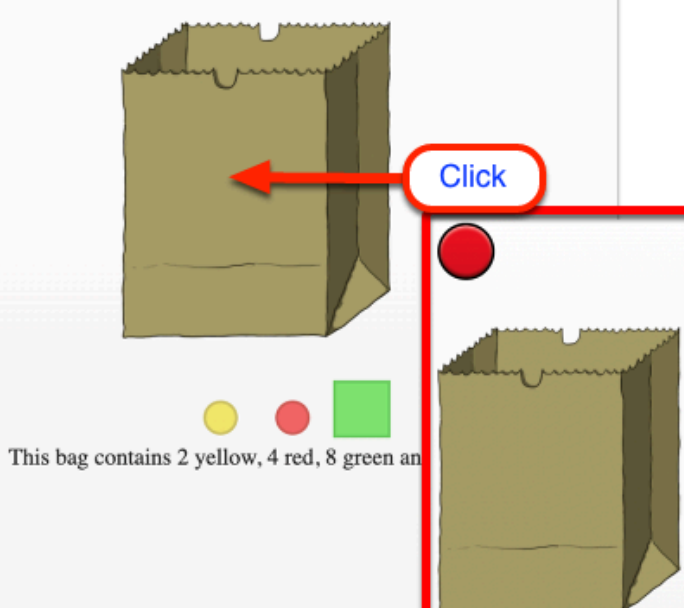
1-77. DOUBLING BAGS

Now imagine that you and another team have combined the blocks from both of your bags into one bag. Explore this concept where two bags from 1-75 are combined.

a. Do you think the larger sample space will change the likelihood of drawing blocks of different colors? Discuss this with your team and be ready to explain your ideas to the class.

b. Get a second bag of blocks from your teacher and combine the contents of both bags. How many total blocks are there in the bag now? How many are there of each color?

c. Work with your team to find the theoretical probability for selecting each color of block in the combined



This bag contains 2 yellow, 4 red, 8 green and

CC2 1-79:

Click on the spinner to spin.

CPM Probability

CC2 1-79 Student eTool

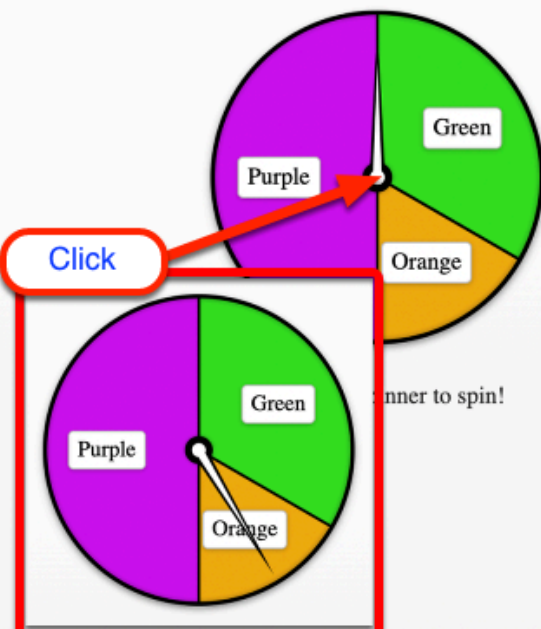
1-79. Additional Challenge: Play a game with the spinner while keeping score as follows:

- Every time you spin purple, you lose two points.
- Every time you spin green, you get one point.
- Every time you spin orange, you get three points.

If you play this game for a long time, do you think it is more likely that you will end up with a positive score or a negative score? Make a prediction and then try it out. You may want to keep score with counters.

► Probability Tools

► General Tools



Spinner to spin!