

Choose an appropriate recording method, such as tally marks, to collect data.







red

yeilo

red



Materials: color tiles, blank spinner mat, overhead spinner, pencil.

• Work with a partner. Start by making the two spinner mats as shown.

• Have each partner twirl a spinner at the same time. If both spinners point to the same color, take one tile of that color and set it aside to build a concrete graph later. Repeat until you have set aside ten tiles.

• Use the ten tiles to create a concrete graph.

pictograph.

• Construct a bar graph and pictograph to show your results.

Kara drew the incomplete red • \bigcirc pictograph shown. Using the areen clues below, finish the graph: • the number of red and green buttons was the same as the number of blue and yellow. there are more than 10 buttons in all. there is at least one button of each of the 4 colors. Construct a Möde there are more red than yellow buttons. There are 5 blue buttons and 1 yellow button. Use either one of the Create a set of spinner spinner mats as shown mats which when used like above to create a set of those above would likely Ø Write the instructions tiles. Use the same set of give you a pictograph for drawing a bar graph 0 tiles to make a conrete showing only red and blue 0 showing your height graph, then arrange the tiles, more red than blue. and the height of two tiles and trace around them friends. to make a bar graph, then a



.scuss d. Materials: paper bag, color tiles, paper, pencil. • Work with a partner for this activity. • While your partner is not looking, place zero, one or two tiles of each color in the bag. Try to make sure you have at least 3 tiles in the bag. • Now draw one tile from the bag (no peeking!) and show it to your partner. • Return the tile to the bag. Do this three times and then let your partner guess how many of each color tile you put in the bag. • Your partner will want to keep track of what is drawn by making a list. • If his/her guess is correct, switch roles. If incorrect, draw and replace three more tiles and let him/her guess again. Keep going until the partner guesses correctly. • Who can figure out what is in the bag first? Jackie twirled her spinner 15 times and made a list of the results. Create a spinner similar to Jackie's. Green Green Red Red Blue Green Blue Green Green Green Red Blue Blue Blue Blue Guess & Check Answers vary. Ask students to create a bar Place only 1 or 2 blocks of Writing Cor graph or pictograph showing either red or blue tiles in how many of each color of tile the bag. Help the students were drawn before the correct Is it true that it is combination of tiles was set up a tally chart to keep easier to roll a 5 than a guessed. track of the results as tiles 3 with a 6-sided die? are drawn. Ask students to write a Conduct an experiment paragraph explaining how this information helped (or could to explain your answer. help) them predict the correct combination.



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