Question Starter Card. See *Every Day Counts*, 2005 edition, p 28-29, for questions to add to card.

Probability Graph – Beginning of September

What do you notice when you look at the *number* of red pieces and blue pieces on our Calendar so far? (The number of reds and blues is the same or about the same; they're about half red and half blue.)

We're putting 2 pieces that match the red blue *ab* pattern into this bag. Do you think the chances of drawing a red are less likely, more likely, or the equal to drawing a blue out of the bag? Why?

Each time we draw a card, what is the probability (or what are the chances) of getting a red? (1 out of 2; 1\2) A blue? (1 out of 2; 1\2)

If we draw and put back one piece, shake the bag, and draw a total of 20 times, *about* how many times do you think a red piece will be drawn? *About* how many blue? Let's see what actually happens.

How many pieces have been drawn so far? Let's look at our graph of red and blue draws? Are you surprised? If so, why? If not, why?

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