

Christmas Survey

Bell Ringer

- Convert the fractions to a decimal and a percent:
 - 1) $\frac{3}{5}$
 - 2) $\frac{7}{10}$
- Convert each of these decimals into a fraction:
 - 3) 0.4
 - 4) 0.25

Surveys

- During the last election, people talked a lot about polls, to say which candidate is winning.
- How did they do that?



51% $\pm$ 2%

Photo by Pete Souza
Wikipedia.com



49% $\pm$ 2%

Photo by Gage Skidmore
Wikipedia.com

Surveys

- Sometimes you can ask part of a population, and use that information to make predictions about the whole population.

Christmas Survey

- What is the most popular gift this Christmas?
- Each student will chose one of the following:
 - Video Game (Call of Duty: Ghosts)
 - Clothes (gift certificate to Aeroposatle)
 - DVD (Hunger Games, Fast & Furious 6, or Despicable Me 2)
- We will collect information about the class.
- Each of you will ask 9 people (plus yourself), then calculate the number of students who gave each answer as a fraction, decimal, and percent.
- Write down the names of the people that you talked to.

Results

- What was the class average?
- How close was your result?
 - It should have been within about 15%
- If your result was really different from the class average, why do you think that was?
- If your result was really similar, why do you think you got it right?