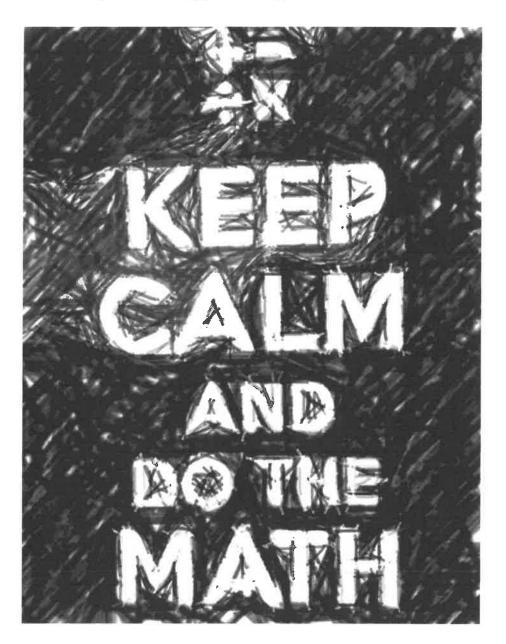
Math P.A.T. Prep Interpreting Graphs - SOLUTIONS



St. Brendan School Mr. Martínez

THINGS TO LOOK
OUT FOR

- · ANY GRAPH THAT DOES NOT START AT ZERO
- · BAR GRAPH: BARS HAVE TO BE OF SAME WIDTH
- · LINE BARS: THE "DOTS" HAVE TO REPRESENT THE

- 40. The newspaper headline is not a reasonable interpretation of the graph shown above because the
 - A. width of the bars is exaggerated
 - B. scale of the y-axis is misleading
 - C. probability is based on theoretical data
 - D. probability is based on experimental data

The student council of a senior high school surveyed 120 out of 250 Grade 10 students to determine which of three animals should be the school's new mascot. The results of the survey are shown below. the issue is that Student Responses to Mascot Survey Cougar Bear

Number of votes

50

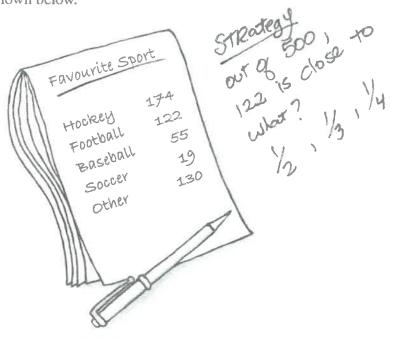
60

40



30

Wolf





- · Always determine the 100%
- . Calculate the % for each category (this is what will be Represented as a "piece" of the piece)
- If the data results were displayed on a circle graph, then the measure of the angle that would represent how many people selected football would be approximately

football
$$\Rightarrow \frac{122}{500} \times 100\% = 24.4\%$$

 $(0.244 \times 360^{\circ}) = 287.84^{\circ}$

Angle = decimal x