

Marvelous Meaningful Monthly Math

Sponsored by

Central Area Tech Prep, Mitchell Technical Institute, and Bridges

Information Technology December

Career – Chief Knowledge Officer

Math Activity

One of the major roles of a CKO is to constantly keep in touch and poll employees to find out what their needs are. You send out a survey every year and ask employees to complete the 10 questions on the poll. The poll allows you to find out what is doing well and what still needs to be done.

There are 32,000 people around the world who are a part of your company this year. You need to have the results of the polls that were returned to you tabulated within a week for the executive board to include in their quarterly report.

What percentage of your employees responded to the poll? What percentage of employees are satisfied with the knowledge distribution system? What percentage are dissatisfied? How does this compare with your last survey -- are things getting better or worse?

Here are the numbers you will have to work with:

This year:

28,569 employees responded to your poll
16,499 are satisfied with the system
10,070 are dissatisfied
2,000 are undecided

Last year:

Out of 30,000 employees 29,059 responded
16,480 were satisfied
10,579 were dissatisfied
2,000 were undecided

Name _____ School _____ Teacher _____

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Solution

This Year

28,569 / 32,000 = 0.8927 = 89 percent of staff responded

16,499 / 28,569 = 0.5775 = 58 percent are satisfied

10,070 / 28,569 = 0.3524 = 35 percent are dissatisfied

Last Year

29,059 / 30,000 = 0.9686 = 97 percent of staff responded

16,499 / 29,059 = 0.5677 = 57 percent were satisfied

10,579 / 29,059 = 0.3640 = 36 percent were dissatisfied

Compared to last year, 1 percent more of the staff are satisfied with the knowledge management system. That means things within your company have stayed relatively the same.

John Peetz says that math is a factor in the everyday life of the CKO. "The use of statistic analysis is important in understanding the results of polls of employees.

"You need to be able to figure out how numbers change from year to year, how numbers indicate satisfaction and dissatisfaction in the workplace. Once you're able to figure out those numbers, you can figure out if there is a problem and how you can solve it."