



Lesson Plan: Paying for Crime

Worksheet #1: Percents and Degrees of a Circle

Concept: An increase in crime only accounts for 12% of the increase in the numbers of people in prison.

Calculation: $12/100 = x/360$ Cross multiply and solve for x. ($x = 43.2$)

Concept: 51% of the increase is caused by a policy change whereby people who committed a felony became more likely to spend time in prison.

Calculation: $51/100 = x/360$ Cross multiply and solve for x. ($x = 183.6$)

Concept: 37% of the increase is caused by a policy change making prison sentences longer.

Calculation: $37/100 = x/360$ Cross multiply and solve for x. ($x = 133.2$)

Check: $43.2 + 183.6 + 133.2 = 360$ degrees