Problem 1

Suppose there are 36 patients divided up among 9 nurses. How many patients is each nurse assigned if they all must have the same number of patients?

(A) 12

(B) 6

(C) 4

(D) 3

Problem 2

Suppose now there are twice as many patients and nurses. How many patients is each nurse assigned if they all must have the same number of patients?

(A) 8

(B) 6

(C) 4

(D) 9

Problem 3

Sam needs to purchase panes of glass for their manufacturing business. There are 12 panes per box and each box costs $350. Sam estimates that their business needs 240 panes. How can Sam calculate the total cost for the 240 panes?

(A) $\frac{350}{12} = \frac{240}{x}$

(B) $\frac{240}{12} = \frac{350}{x}$

(C) $\frac{12}{350} = \frac{x}{240}$

(D) $\frac{350}{12} = \frac{x}{240}$

Problem 4

What is the total cost for the 240 panes of glass?

Problem 5

There are 12 inches in 1 foot. If a piece of string is 96 inches long, how many feet is the string?

(A) 8 feet

(B) 12 feet

(C) 9 feet

(D) 10 feet

Problem 6

Rewrite problem 4 as a proportion. [Hint: There should be 2 fractions on either side of an equal sign, $\frac{a}{b} = \frac{c}{d}$.]