

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