Warm Up Questions

#1 Connor is laying a new floor down is his living. The price of the hardwood is $3.00 for 1ft^2. If Connor's room is 240 ft^2 how much will it cost to lay the floor?

#2 A dirt bike with a 2-stroke engine requires 15 L of gas to be mixed with 1.5 L of oil. How much oil will you need to mix with 25 L of gas to fill up your dirt bike? Round to 1 decimal place.

#3 If 7 cans of paint cover 210 m^2 of wall space, how many cans of paint will you need to cover 440 m^2?

Feb 2-9:44 AM

#1 Connor is laying a new floor down is his living. The price of the hardwood is $3.00 for 1ft^2. If Connor's room is 240 ft^2, how much will it cost to lay the floor?

Let x = Cost

$\frac{\text{Cost}}{\text{Area}}$

$\frac{3.00}{1} = \frac{x}{240}$

$x = \$720.00$

Sep 7-10:54 AM

#2 A dirt bike with a 2-stroke engine requires 15 L of gas to be mixed with 1.5 L of oil. How much oil will you need to mix with 25 L of gas to fill up your dirt bike? Round to 1 decimal place.

Let oil = x

$\frac{\text{gas}}{\text{oil}}$

$\frac{15}{1.5} = \frac{25}{x}$

$\frac{15x}{15} = \frac{37.5}{15}$

x = 2.5L of oil

Feb 2-9:57 AM

#3 If 7 cans of paint cover 210 m^2 of wall space, how many cans of paint will you need to cover 440 m^2?

Let # of cans = x

$\frac{\text{\# of cans}}{\text{area}}$

$\frac{7}{210} = \frac{x}{440}$

$\frac{210x}{210} = \frac{3080}{210}$

x = 14.6

15 cans of paint

Feb 2-10:04 AM