

Alg. 1



TUESDAY

9-25-12

② $a = 46c$

③ $\frac{a}{46} = \frac{46c}{46}$

$a = \text{floor area, m}^2$

$c = \text{number of circuits}$

$\frac{a}{46} = c$

④ $a = 322 \text{ m}^2 \quad c = ?$

$c = \frac{a}{46}$

$c = \frac{(322)}{46} = \frac{161}{23} = 7 = c \text{ number of circuits}$

③ $\frac{V}{lh} = \frac{lwh}{lh}$ I

$\frac{V}{lh} = w$

or $w = \frac{V}{lh}$ II

$l = \frac{V}{wh}$ III

$h = \frac{V}{wl}$ IV

$$\textcircled{4} \quad st + 3t = 6 \quad \text{for } s$$

$$\quad \quad -3t \quad -3t$$

$$\downarrow$$

$$\frac{st}{t} = \frac{6-3t}{t}$$

$$s = \frac{6-3t}{t}$$

$$\textcircled{5} \quad st + 3t = 6 \quad \text{for } t$$

$$\underline{\underline{t(s+3)}} = \underline{\underline{6}}$$

$$(s+3) \quad s+3$$

undo the
DP

$$t = \frac{6}{s+3}$$

$$\textcircled{6} \quad 3x - yx = 14 \quad \text{for } x$$

$$\underline{\underline{x(3-y)}} = \underline{\underline{14}}$$

$$(3-y) \quad (3-y)$$

$$x = \frac{14}{3-y}$$

$$\textcircled{4} \quad 14x\overset{\downarrow}{\underset{\circlearrowleft}{y}} + 6x\overset{\downarrow}{\underset{\circlearrowleft}{y}}z = 9 \text{ for } y$$

$$\frac{\underline{\underline{y}}}{\cancel{(14x + 6xz)}} \cdot \cancel{(14x + 6xz)} = \frac{9}{(14x + 6xz)}$$

$$y = \frac{9}{14x + 6xz}$$

$$\textcircled{5} \quad \overset{\downarrow}{m} - 4N = 8 \text{ for } m$$

$$\quad \quad \quad +4N \quad \quad +4N$$

$$\boxed{m = 8 + 4N}$$

$$\textcircled{6} \quad \frac{f+4}{g} = 6g \text{ for } f$$

$$\begin{array}{r} f+4 = 6g \\ -4 \quad \quad -4 \end{array}$$

$$\boxed{f = 6g - 4}$$

⑧ $C = \frac{2\pi r}{2\pi}$ for r

⑨ $\frac{C}{2\pi} = r$

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⑩ $C = 15\text{ in. find } r$

$\frac{(15)}{2\pi} = r$

$\frac{15}{2\pi} = r$

⑪ $A = P + I$

total money Amount invested interest earned

$I = A - P$