#42 p. 153)

$27.50 / square = cost of materials

$17.00 / square = cost of labor

$30.00 / square = overhead / profit

$750 = misc.

y = total cost estimate

x = # of squares

$$y = 27.5x + 17x + 30x + 750$$

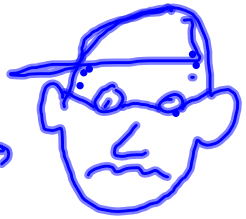
$$74.5x + 750$$

$$2314.50 = 74.5x + 750$$

$$1564.5 = 74.5x$$

$$21 = x$$

STUMP THAT CHUMP



→ groups of 4/5

→ Write a story problem
- needs to include a variable
- needs to be "multi-step"
  - variable w/coefficient
  - + or subtraction
  - distributive prop., combine like terms or a fraction multiplier

→ solve problem (check yer work)

→ 12:05 ⟶ (break) 12:10

ratio ski : snow

8 : 20

ski : snow + ski :

8 : 28

2 : 7

245 tickets sold

↑

how many were snowboarders?

$\frac{2}{7}$ $\frac{5}{7}$ were snow $245 \cdot \frac{5}{7} = \frac{x}{245} \cdot 245$

$x = 175$

$3\frac{1}{3}$ batches of brownies → how many cups of ing. will she need?

$\frac{1}{4}$ cup of butter / batch

3 cups of eggs / batch

$\frac{12}{5}$ cups of sugar / batch

$\frac{20}{3}$ cups of flour / batch

$\left[\frac{1}{4} \text{ cups of water} / 50 \text{ cups c.c.} / 35 \text{ cup almonds}\right]$ batch

1 batch $= \frac{1}{4} + \frac{3}{1} + \frac{12}{5} + \frac{20}{3} + \frac{1}{4} + \frac{50}{1} + \frac{35}{1}$

$= \frac{15}{60} + \frac{180}{60} + \frac{144}{60} + \frac{400}{60} + \frac{15}{60} + \frac{300}{60} + \frac{2100}{60}$

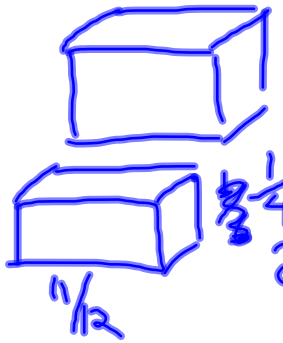
$= \frac{3154}{60} = \frac{1577}{30} = 52\frac{17}{30} \cdot 3\frac{1}{3}$

$\frac{1577}{330} \cdot \frac{101}{3} = \frac{1577}{9} = 175\frac{2}{9}$

10 yds × 15 yds × 5 yds - house 30 ft × 45 ft. 15 ft

11 in × 2 in × 3 in - brick $\frac{11}{12}' \times \frac{1}{6}' \times \frac{1}{4}'$

3 ft × 6½ ft - door $3' \times \frac{13}{2}'$



1350
450
675

$\frac{39}{2}$

$2 \times 2475 = 4950^{in^2} \quad \frac{4950}{1 \times 2} - \frac{39}{2} = \frac{\frac{9861}{2}}{\frac{11}{48}}$

$\frac{1}{4} \times \frac{11}{12} = \frac{11}{48}$

$1\frac{9861}{2} \cdot \frac{48}{11} 24 \quad \frac{236664}{11} = 21515$

p. 157 5-50 (every 5), 52a

Worksheet: 1-8 on LH side