A store sells 3 $\underline{\text{hat from the 1850's}}^{\text{a purple stovetop}}$ for $8.94.

How much would it cost to purchase $\boxed{15}$

$\underline{\text{purple stovetop hats from 1850's}}$?

$\dfrac{\$8.94}{3} = \$2.98/\text{hat}$

$$\begin{array}{r} 2.98 \\ 3\,\overline{)\,8.94} \\ \underline{-6} \\ 29 \\ \underline{-27} \\ 24 \end{array}$$

$\boxed{\$44.70}$

$$\begin{array}{r} 2.98 \\ \times\ 15 \\ \hline 1490 \\ 2980 \\ \hline 44.70 \end{array}$$

A store sold 72 $\underline{\text{found in a dumpster}}^{\text{sketchy books}}$ If the ratio of

$\dfrac{\text{sketchy books}}{a}$ to $\dfrac{\text{sac full of red, wacky stuff}}{b}$ was $9:8$, what

is the number of $\dfrac{\text{sac full of red, wacky stuff sold}}{b}$?

9 sketchy books : 8 sac o' stuff $8*$

72 sketchy books $(\!64\!)$ sacs o' stuff $*8$
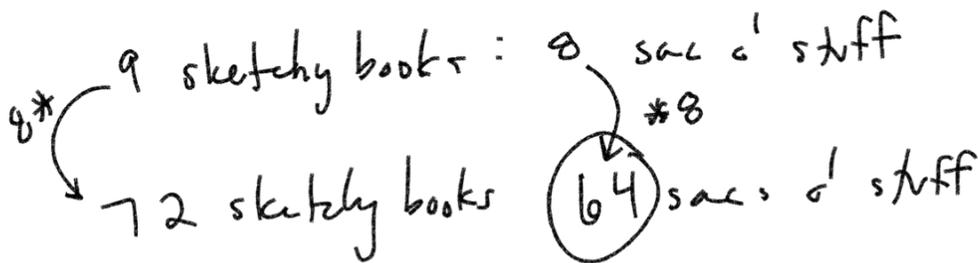
A store sold 70 otters in a cross stitch biker gang $\underset{a}{\text{}}$. If the ratio

of $\dfrac{\text{biker otters}}{a}$ to $\dfrac{\text{flying baboon chair}}{b}$ was 7:12,

what is the number of $\dfrac{\text{flying baboon chair}}{b}$ sold?

biker otter ⑩ * 7   12, flying baboon chair
                              ↓*10

70   [120]

Reduce!

$\dfrac{16:56}{8 \quad 8}$ ⟋2:7⟍

$\dfrac{21:56}{7 \quad 7}$ ⟋3:8⟍

1.) $\dfrac{63:90}{9 \quad 9}$ 2.) $\dfrac{20:45}{5 \quad 5}$ 3.) $\dfrac{70:30}{10 \quad 10}$

⟋7:10⟍   ⟋4:9⟍   ⟋7:3⟍

4.) $\dfrac{6:15}{3 \quad 3}$ 5.) $\dfrac{28:49}{7 \quad 7}$ 6.) $\dfrac{30:54}{6 \quad 6}$

⟋2:5⟍   ⟋4:7⟍   ⟋5:9⟍

English Measurement

3 feet = 1 yard }

Feet	Yards
24	8
36	12

3* / ÷3

[10] ÷10 → [1]

millimeters	centimeters
80	8
50	5
120	12
200	20

÷10

10 *

÷10

10 * 20
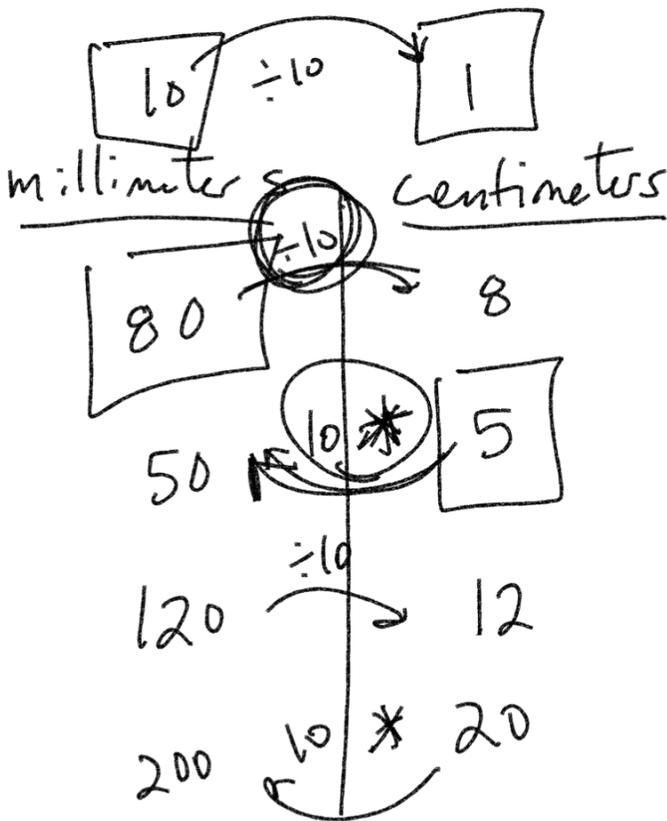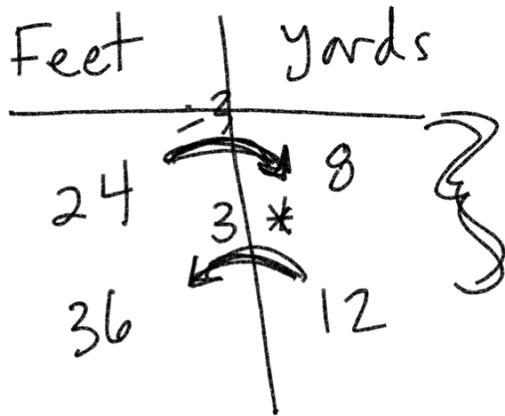
Metric Measurement

centimeter   millimeter

1 cm = 10 mm }
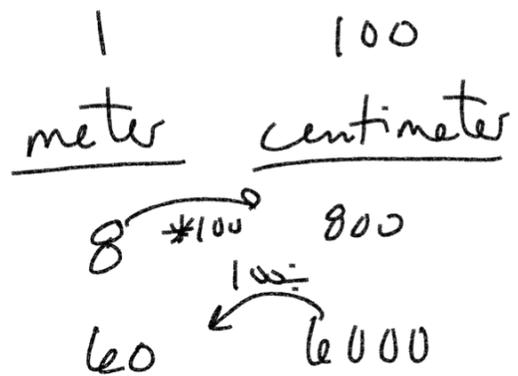
centi → 1/100

century → 100

milli → 1/1000

millenium → 1 000 yrs

million → thousand
              thousands

1	100
meter	centimeter
8	800
60	6 000

*100

100÷

1 kilometer = 1000 meters

*1000

6   6 000

1000÷

18   18,000