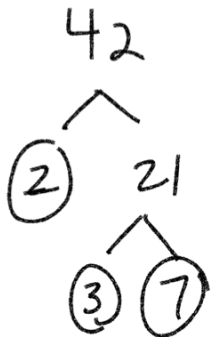
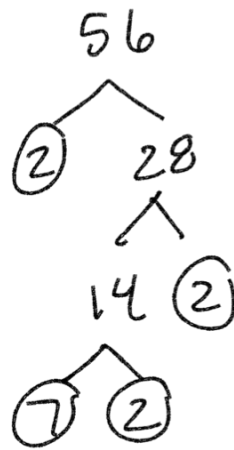


Prime Factorization



$42 = 7 \cdot 3 \cdot 2$



$56 = 7 \cdot 2 \cdot 2 \cdot 2$

GCF Greatest Common Factor

42 and 56

$42 = 7 \cdot 3 \cdot 2$

$56 = 7 \cdot 2 \cdot 2 \cdot 2$

$7 \cdot 2 = 14$

LCM: Lowest/Least Common Multiple

42 and 56

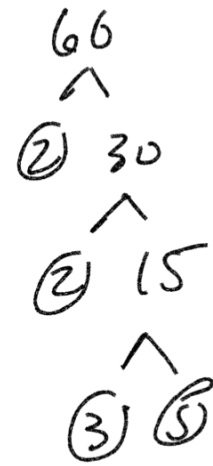
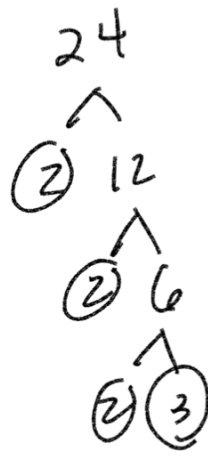
$42 = 7 \cdot 3 \cdot 2$

$56 = 7 \cdot 2 \cdot 2 \cdot 2$

$56 \cdot 3 = 168$

$$24 \frac{1}{3} 60$$

- 1.) Prime Factorize ✓
- 2.) Find GCF
- 3.) Find LCM



$$24: 3 \cdot 2 \cdot 2 \cdot 2$$

$$60: 5 \cdot 3 \cdot 2 \cdot 2$$

GCF

$$24: \cancel{3} \cdot \cancel{2} \cdot \cancel{2} \cdot 2$$

$$60: 5 \cdot \cancel{3} \cdot \cancel{2} \cdot 2$$

$$3 \cdot 2 \cdot 2 = \boxed{12}$$

LCM

$$24: \cancel{3} \cdot \cancel{2} \cdot \cancel{2} \cdot \textcircled{2}$$

$$\textcircled{60: 5 \cdot \cancel{3} \cdot \cancel{2} \cdot 2}$$

$$60 \cdot 2 = \boxed{120}$$

Measurement - Metric Conversions

1 meter

Base unit

"centi" centimeter

$$100 \text{ cm} = 1 \text{ m}$$

5.28 meters

$$5.28 \text{ m} = \underline{528} \text{ cm}$$

centi = 100

century = 100 yrs

100 cents in a dollar

$$5.28 \text{ m} = \underline{5280} \text{ mm}$$

"milli" millimeter

$$1,000 \text{ mm} = 1 \text{ meter}$$

$$5.28 \text{ m} = \underline{0.00528} \text{ km}$$

milli = 1,000

million means 1,000 thousands

millennium = 1000 yrs

kilo kilometer

00 5.28

Big Unit

6 liters

6000

L

1 km = 1,000 m
Small unit
milliliters
mL

Small

number

6.000

big number

$$7.42 \overset{\textcircled{L}}{\text{m}} \overset{\text{B}}{\boxed{\text{m}}} = \frac{7.42 \overset{\text{B}}{\boxed{7420}} \overset{\text{L}}{\text{mm}}}{\text{B}} \overset{\text{L}}{\boxed{\text{mm}}} \overset{\text{B}}{\text{mm}}$$

$$7.42 \overset{\text{B}}{\text{m}} \overset{\text{L}}{\boxed{\text{m}}} = \frac{0.00742 \overset{\text{L}}{\text{km}}}{\text{B}} \overset{\text{L}}{\boxed{\text{km}}} \overset{\text{B}}{\text{km}}$$

$$7.42 \overset{\text{L}}{\text{m}} \overset{\text{B}}{\boxed{\text{m}}} = \frac{7.42 \overset{\text{B}}{\boxed{742}} \overset{\text{L}}{\text{cm}}}{\text{B}} \overset{\text{L}}{\boxed{\text{cm}}} \overset{\text{B}}{\text{cm}}$$

0.000000001 Gm Gigameter G → God $\leftarrow 1000$

0.000001 Mm Megameter M → Me (Nate) $\leftarrow 1000$

0.001 km kilometer k → King $\leftarrow 1000$

1m meter m → man $\leftarrow 1000$

10dm decimeter d → dog

100cm centimeter c → cat

1000mm millimeter m → morse

$$4 \text{ liters} = \underline{4000} \text{ mL}$$

$$13,000 \text{ mL} = \underline{13} \text{ L}$$

$$\overset{\curvearrowright}{79.} \text{ mm} = \underline{7.9} \text{ cm}$$

$$\overset{\curvearrowright}{34.} \text{ cm} = \underline{0.34} \text{ m}$$

$$3.2 \overset{\curvearrowright}{\text{ cm}} = \underline{32} \text{ mm}$$

$$\overset{\text{B}}{43} \overset{\text{L}}{\text{ cm}} = \frac{0.00043}{\text{L}} \overset{\text{B}}{\text{ km}}$$

$$\underline{7.8} \text{ m} = \underline{7800} \text{ mm}$$

$$\overset{\curvearrowright}{7.800.}$$

cm \rightarrow m \rightarrow km

$$\overset{\curvearrowright}{000.43.}$$