Solving Fraction Word Problems

Objective: I can solve word problems using fractions of a measurement.

Conversion Chart For Solving Word Problems

Conversion means to change from one form to another.
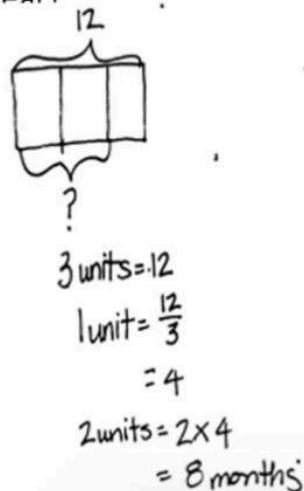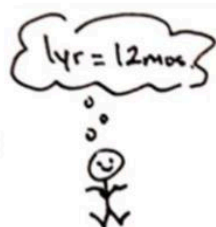
1 foot = 12 inches

3 feet = 1 yard

1 year = 12 months

1 meter – 100 cementers

1 hour = 60 minutes

16 ounces = 1 pound

LOOK To Learn

Mr. Corsetti spends $\frac{2}{3}$ of every year in Florida. How many months does he spend in Florida each year?

$\frac{2}{3}$ yr = $\frac{2}{3}$ x 1 yr $\{1yr = 12mos\}$

$= \frac{2}{3}$ x 12 mths

$= \frac{2 \times \overset{4}{\cancel{12}}}{\underset{1}{\cancel{3}}}$

$= 8$ months

12

?

3 units = 12

1 unit = $\frac{12}{3}$

$= 4$

2 units = 2 x 4

$= 8$ months

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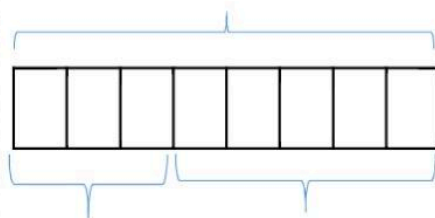Objective: I can solve word problems using fractions of a measurement.

A jewelry maker purchased 20 inches of gold chain. She used $\frac{3}{8}$ of the chain for a bracelet. How many inches of gold chain did she have left?

| Fraction of a number | or | Use a tape diagram |

1    $\frac{3}{8}$ of 20

2   Then subtract

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a' $\frac{1}{2}$ yard = _____ feet $\frac{1}{2}$ yard = $\frac{1}{2}$ × 1 yard $\quad$ = $\frac{1}{2}$ × 3 feet $\quad$ = $\frac{3}{2}$ feet = $\frac{1}{2}$ feet	1/3 foot = _____ in. $\frac{1}{3}$ foot = $\frac{1}{3}$ × 1 foot $\quad$ = $\frac{1}{3}$ × 12 inches $\quad$ =
c. $\frac{5}{6}$ year = _____ mo	d. $\frac{4}{5}$ meter = _____ cm
e. $\frac{2}{3}$ hour = _____ minutes	f. $\frac{3}{4}$ yard = _____ inches