

M4.L9

AP.

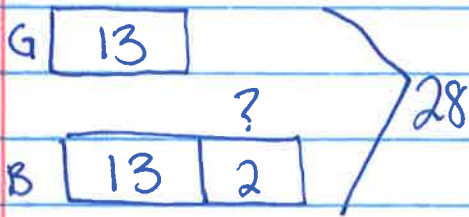
There are 28 children at the museum.

There are 2 more boys than girls at the museum.



$$\frac{2}{3} \text{ of } 42$$

$$\frac{2 \times 42}{3} = \frac{84}{3} \quad \begin{array}{r} 28 \\ 3 \overline{)84} \\ \underline{6} \\ 24 \\ \underline{24} \\ 0 \end{array}$$



$$= 28$$

$$28 - 13 = 15$$

$$\frac{2 \times 42}{3} = \frac{84}{3} = 28$$

$$15 - 13 = 2$$

$$= 28$$

1 pt = 2 c	} 1 ft = 12 in	} 1 yr = 3 ft	1 gal = 4 qt	
2 pt = 4 c			2 ft = 24 in	2 gal = 8 qt
3 pt = 6 c			4 ft = 48 in	3 gal = 12 qt
7 pt = 14 c			8 ft = 96 in	6 gal = 24 qt

$$\frac{1}{2} \times 4 = 2 \quad 6 \times \frac{1}{3} = 2 \quad 6 \times \frac{2}{3} = 4 \quad \frac{3}{4} \times 8 = 6$$

M4.L9 - Fraction in Measurement

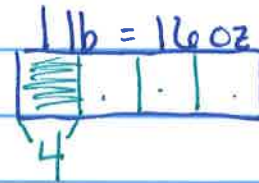
$$\frac{1}{4} \text{ lb} = \underline{\quad} \text{ oz}$$

$$\text{Expand} = \frac{1}{4} \times 1 \text{ pound}$$

$$\text{Convert} = \frac{1}{4} \times 16 \text{ oz}$$

$$\text{Answer} = \frac{1 \times \cancel{16}^4}{\cancel{4}^1} = \frac{4}{1}$$

$$= 4 \text{ oz}$$



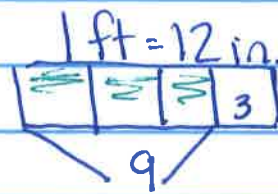
$$\frac{3}{4} \text{ ft} = \underline{\quad} \text{ in}$$

$$\text{Expand} = \frac{3}{4} \times 1 \text{ foot}$$

$$\text{Convert} = \frac{3}{4} \times 12 \text{ in.}$$

$$\text{Answer} = \frac{3 \times \cancel{12}^3}{\cancel{4}^1} = \frac{9}{1}$$

$$= 9 \text{ inches}$$



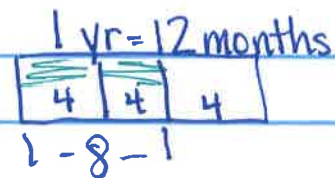
$$\frac{2}{3} \text{ year} = \underline{\quad} \text{ months}$$

$$E = \frac{2}{3} \times 1 \text{ year}$$

$$C = \frac{2}{3} \times 12 \text{ months}$$

$$A = \frac{2 \times \cancel{12}^4}{\cancel{3}^1} = \frac{8}{1}$$

$$= 8 \text{ months}$$

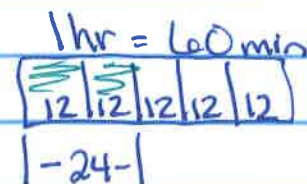


$$\frac{2}{5} \text{ hour} = \underline{\quad} \text{ minutes}$$

$$E = \frac{2}{5} \times 1 \text{ hour}$$

$$C = \frac{2}{5} \times 60 \text{ minutes}$$

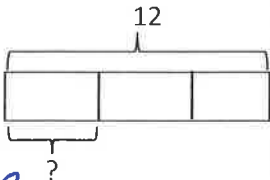
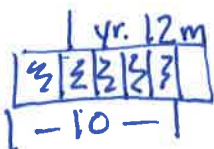
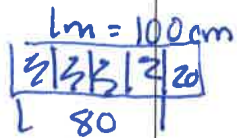
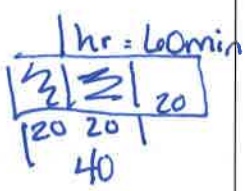
$$A = \frac{2 \times \cancel{60}^{12}}{\cancel{5}^1} = \frac{24}{1} = 24 \text{ min}$$



Name _____

Date _____

1. Convert. Show your work using a tape diagram or an equation. The first one is done for you.

<p>a. $\frac{1}{2}$ yard = $1\frac{1}{2}$ feet</p> <p>$\frac{1}{2}$ yard = $\frac{1}{2} \times 1$ yard</p> <p>$= \frac{1}{2} \times 3$ feet</p> <p>$= \frac{3}{2}$ feet</p> <p>$= 1\frac{1}{2}$ feet</p>	<p>b. $\frac{1}{3}$ foot = <u>4</u> inches</p> <p>$\frac{1}{3}$ foot = $\frac{1}{3} \times 1$ foot</p> <p>C = $\frac{1}{3} \times 12$ inches</p> <p>$= \frac{1 \times 12}{3} = \frac{12}{3} = 4$</p> <p>$\frac{1 \times 12}{3} = \frac{4}{1} = 4$</p> 
<p>c. $\frac{5}{6}$ year = <u>10</u> months</p> <p>E = $\frac{5}{6} \times 1$ yr</p> <p>C = $\frac{5}{6} \times 12$ m</p> <p>A = $\frac{5 \times 12}{6} = \frac{10}{1}$</p> <p>$n = 10$</p> 	<p>d. $\frac{4}{5}$ meter = <u>80</u> centimeters</p> <p>E = $\frac{4}{5} \times 1$ meter</p> <p>C = $\frac{4}{5} \times 100$ cm</p> <p>A = $\frac{4 \times 100}{5} = \frac{80}{1}$</p> <p>$= 80$</p> 
<p>e. $\frac{2}{3}$ hour = _____ minutes</p> <p>E = $\frac{2}{3} \times 1$ hour</p> <p>C $\frac{2}{3} \times 60$ minutes</p> <p>A = $\frac{2 \times 60}{3} = \frac{40}{1}$</p> <p>$= 40$ min</p> 	<p>f. $\frac{3}{4}$ yard = _____ inches</p> <p>E = $\frac{3}{4} \times 1$ yrd.</p> <p>C $\frac{3}{4} \times 36$ in</p> <p>A = $\frac{3 \times 36}{4} = \frac{27}{1}$ in</p> <p>27 in</p> 