Name _____   Date _____

1. Draw a tape diagram to show $1\frac{1}{3}$ yards = 4 feet.

3 ft   1 foot

$1\frac{1}{3}$ yards
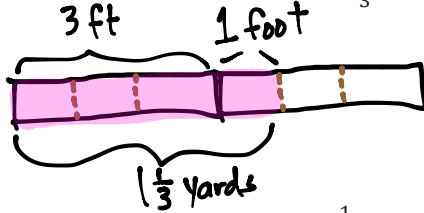
2. Draw a tape diagram to show $\frac{1}{2}$ gallon = 2 quarts.

$\frac{1}{2}$ gal

1 gal = 4 qt
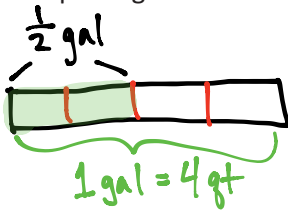
3. Draw a tape diagram to show $1\frac{3}{4}$ gallons = 7 quarts.

$1\frac{3}{4}$ gal
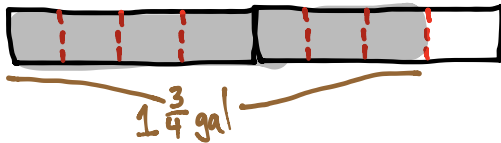
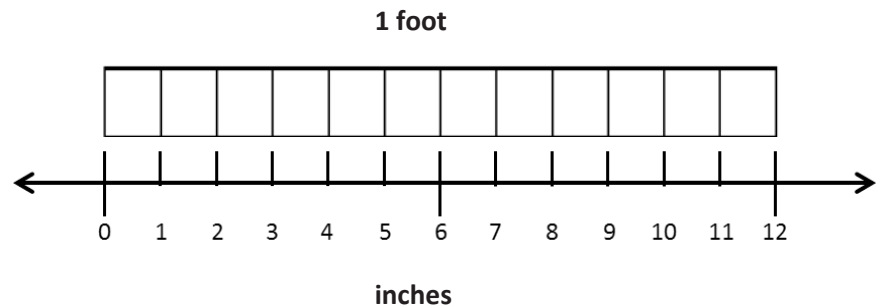4. Solve the problems using whatever tool works best for you.

a. $\frac{1}{2}$ foot = ____6____ inches

1 foot

b. $\frac{3}{12}$ foot = $\frac{1}{4}$ foot = ____3____ inches

0 1 2 3 4 5 6 7 8 9 10 11 12

inches

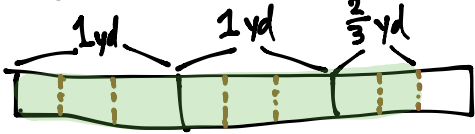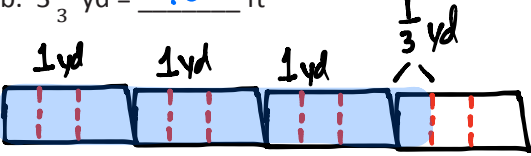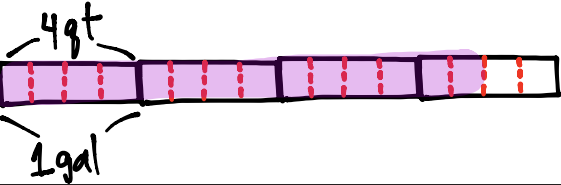c. $\frac{2}{12}$ foot = $\frac{1}{6}$ foot = ____2____ inches
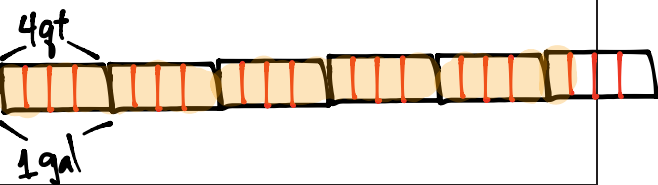
d. $\frac{4}{12}$ foot = $\frac{1}{3}$ foot = ____4____ inches

e. $\frac{8}{12}$ foot = $\frac{2}{3}$ foot = ____8____ inches

f. $\frac{10}{12}$ foot = $\frac{5}{6}$ foot = ____10____ inches

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Lesson 12: Use measurement tools to convert mixed number measurements to smaller units.

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5. Solve.

a. $2\frac{2}{3}$ yd = __8__ ft	b. $3\frac{1}{3}$ yd = __10__ ft
c. $3\frac{1}{2}$ gal = __14__ qt	d. $5\frac{1}{4}$ gal = __21__ qt
e. $6\frac{1}{4}$ ft = __75__ in 72in 3in	f. $7\frac{1}{3}$ ft = __88__ in 84in 4in
g. $2\frac{1}{2}$ ft = __30__ in 24in 6in	h. $5\frac{3}{4}$ ft = __69__ in 60in 9in
i. $9\frac{2}{3}$ ft = __116__ in 108in 8in	j. $7\frac{5}{6}$ ft = __94__ in 84in 10in

Lesson 12: Use measurement tools to convert mixed number measurements to smaller units.

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