

Name _____

Date _____

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

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

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

4. Solve the problems using whatever tool works best for you.

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

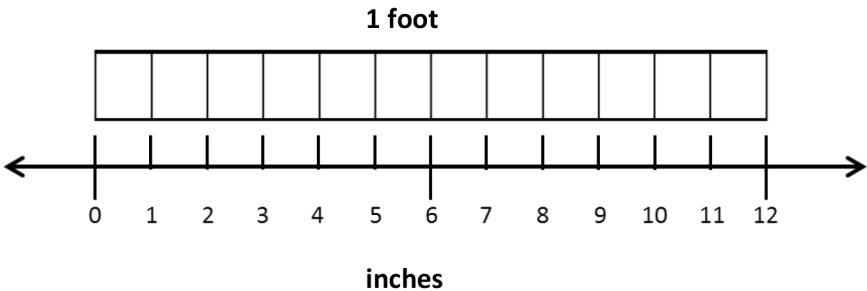
b. $\frac{1}{12}$ foot = $\frac{1}{4}$ foot = _____ inches

c. $\frac{1}{12}$ foot = $\frac{1}{6}$ foot = _____ inches

d. $\frac{1}{12}$ foot = $\frac{1}{3}$ foot = _____ inches

e. $\frac{1}{12}$ foot = $\frac{2}{3}$ foot = _____ inches

f. $\frac{1}{12}$ foot = $\frac{5}{6}$ foot = _____ inches



5. Solve.

a. $2\frac{2}{3}$ yd = _____ ft	b. $3\frac{1}{3}$ yd = _____ ft
c. $3\frac{1}{2}$ gal = _____ qt	d. $5\frac{1}{4}$ gal = _____ qt
e. $6\frac{1}{4}$ ft = _____ in	f. $7\frac{1}{3}$ ft = _____ in
g. $2\frac{1}{2}$ ft = _____ in	h. $5\frac{3}{4}$ ft = _____ in
i. $9\frac{2}{3}$ ft = _____ in	j. $7\frac{5}{6}$ ft = _____ in

Answer Key

1. Tape diagram drawn to show equivalence
2. Tape diagram drawn to show equivalence
3. Tape diagram drawn to show equivalence
4.
 - a. 6
 - b. 3, 3
 - c. 2, 2
 - d. 4, 4
 - e. 8, 8
 - f. 10, 10
5.
 - a. 8
 - b. 10
 - c. 14
 - d. 21
 - e. 75
 - f. 88
 - g. 30
 - h. 69
 - i. 116
 - j. 94