

Express each ratio as a fraction in simplest form.

a.) 4 weeks to plan 2 events $\frac{4 \div 2}{2 \div 2} = \boxed{\frac{2}{1}}$

b.) 8 teaspoons to 12 forks $\frac{8 \div 4}{12 \div 4} = \boxed{\frac{2}{3}}$

c.) 7 shelves to 84 books $\frac{7 \div 7}{84 \div 7} = \boxed{\frac{1}{12}}$

Express each ratio as a fraction in simplest form.

d.) 9 ounces to 12 pounds $\frac{9 \div 3}{192 \div 3} = \boxed{\frac{3}{64}}$

192 oz
 $1 \text{ lb} = 16 \text{ oz}$
 $12 \text{ lb} = 192 \text{ oz}$

$$\begin{array}{r} 16 \\ \times 12 \\ \hline 32 \\ 160 \\ \hline 192 \end{array}$$

e.) 5 quarts to 2 gallons $\boxed{\frac{5}{8}}$

8 qt
 $1 \text{ gal} = 4 \text{ qt}$
 $2 \text{ gal} = 8 \text{ qt}$

f.) 6 feet to 18 inches $\frac{72 \div 6}{18 \div 6} = \frac{12 \div 3}{3 \div 3} = \boxed{\frac{4}{1}}$

72 inch
 $1 \text{ ft} = 12 \text{ inch}$
 $6 \text{ ft} = 72 \text{ inch}$

Express each ratio as a fraction in simplest form.

g.) 14 inches to ~~3 feet~~ ^{36 inch}

$$\frac{14}{36} \div 2 = \boxed{\frac{7}{18}}$$

$1 \text{ ft} = 12 \text{ inch}$
 $3 \text{ ft} = 36 \text{ inch}$

h.) ~~9 feet~~ to 12 inches ^{108 inch}

$$\frac{108}{12} \div 12 = \boxed{\frac{9}{1}}$$

$1 \text{ ft} = 12 \text{ inch}$
 $9 \text{ ft} = 108 \text{ inch}$

i.) 3 pints to ~~2 quarts~~ ^{4 pints}

$$\boxed{\frac{3}{4}}$$

$1 \text{ qt} = 2 \text{ pints}$
 $2 \text{ qt} = 4 \text{ pints}$