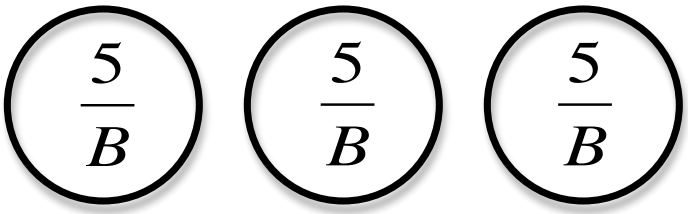
Sample Fraction Problems

$3 \times \frac{5}{6}$

3 groups

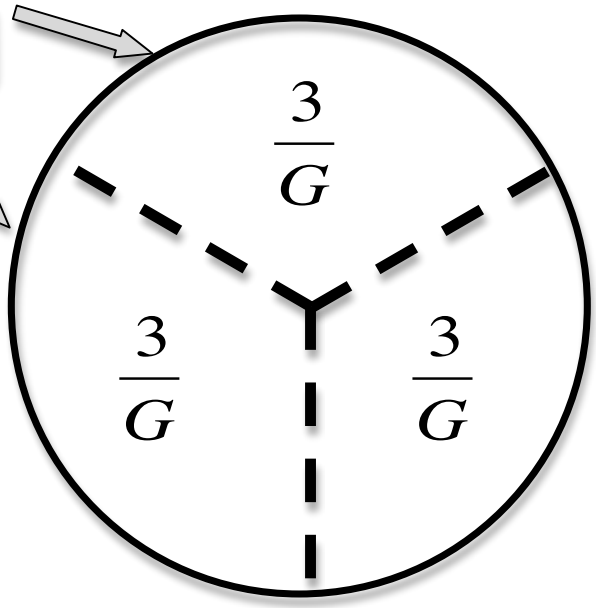


$$\frac{15}{B} = \frac{15}{6} = 2\frac{3}{6} = 2\frac{1}{2}$$

solution

$\frac{9}{12} \times \frac{2}{3}$

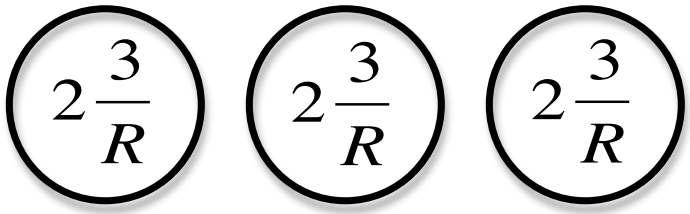
9 greens



$$\frac{3}{G} + \frac{3}{G} = \frac{6}{G} = \frac{6}{12} = \frac{1}{2}$$

$2\frac{3}{4} \times 3$

3 groups

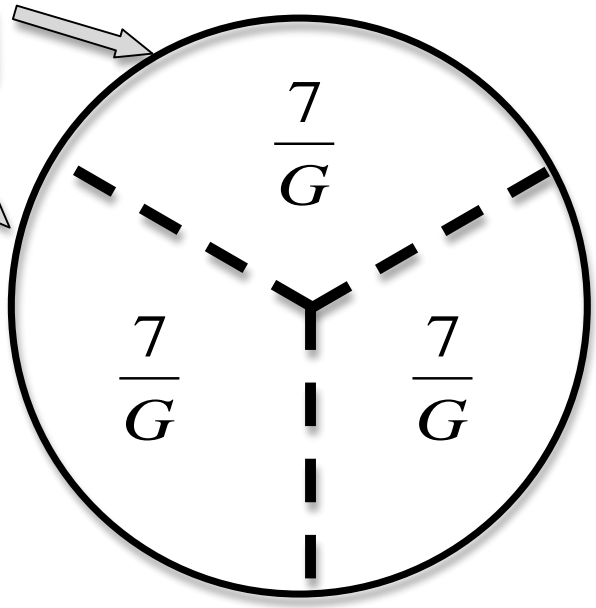


$$6\frac{9}{R} = 6\frac{9}{4} = 8\frac{1}{4}$$

solution

$$\frac{2}{3} \times 1\frac{9}{12}$$

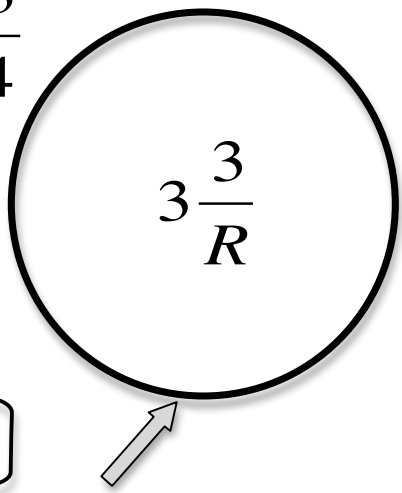
21 greens

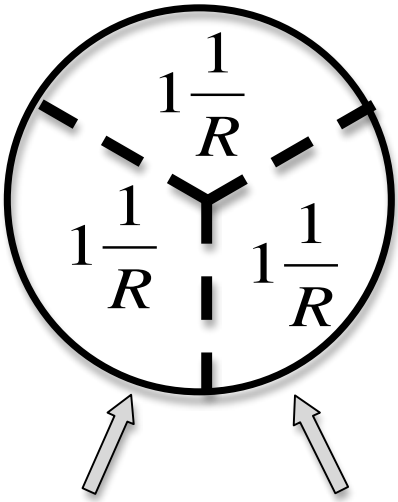


$$\frac{7}{G} + \frac{7}{G} = \frac{14}{G} = \frac{14}{12} = 1\frac{2}{12} = 1\frac{1}{6}$$

$1\frac{2}{3} \times 3\frac{3}{4}$

3 pink &
2 reds



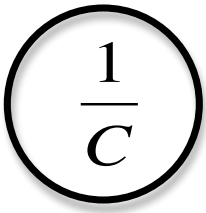


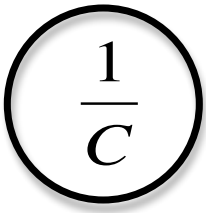
solution

$$3\frac{3}{R} + 1\frac{1}{R} + 1\frac{1}{R} = 5\frac{5}{R} = 6\frac{1}{R} = 6\frac{1}{4}$$

$\frac{2}{3} \div 2$

2 groups

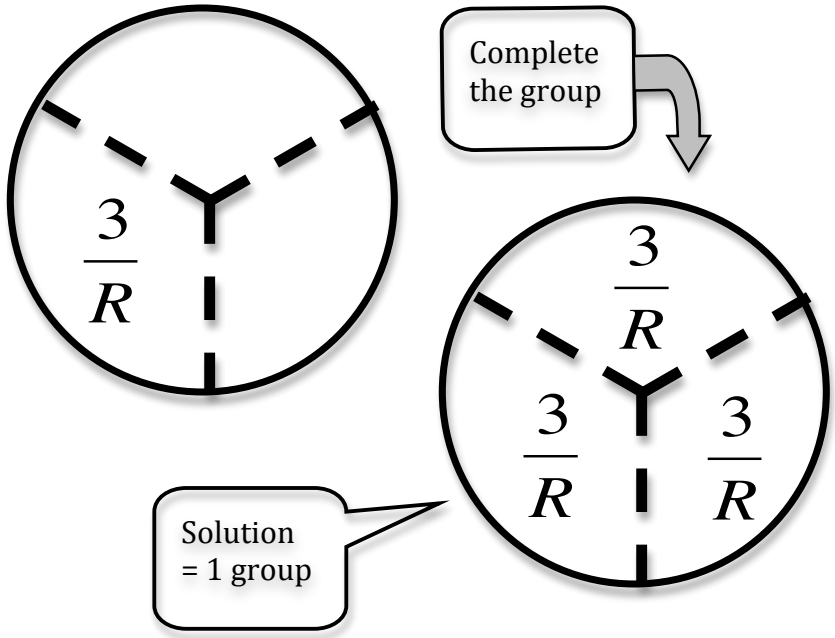




Solution
= 1 group

$$\frac{1}{C} = \frac{1}{3}$$

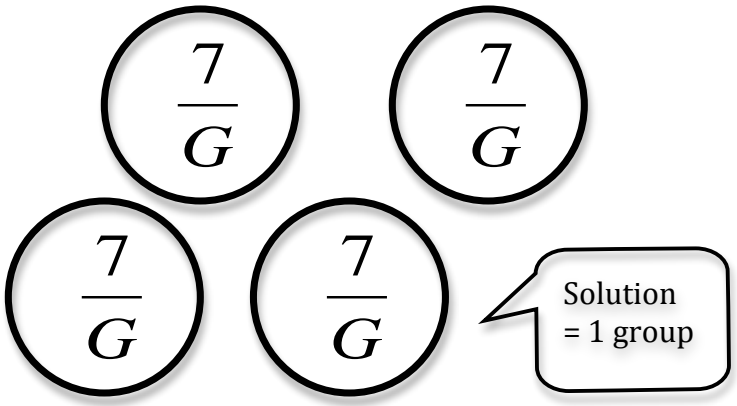
$$\frac{3}{4} \div \frac{1}{3}$$



$$\frac{3}{R} + \frac{3}{R} + \frac{3}{R} = \frac{9}{R} = 2\frac{1}{R} = 2\frac{1}{4}$$

Think….7 chevrons, trade for 28 greens to divide by 4

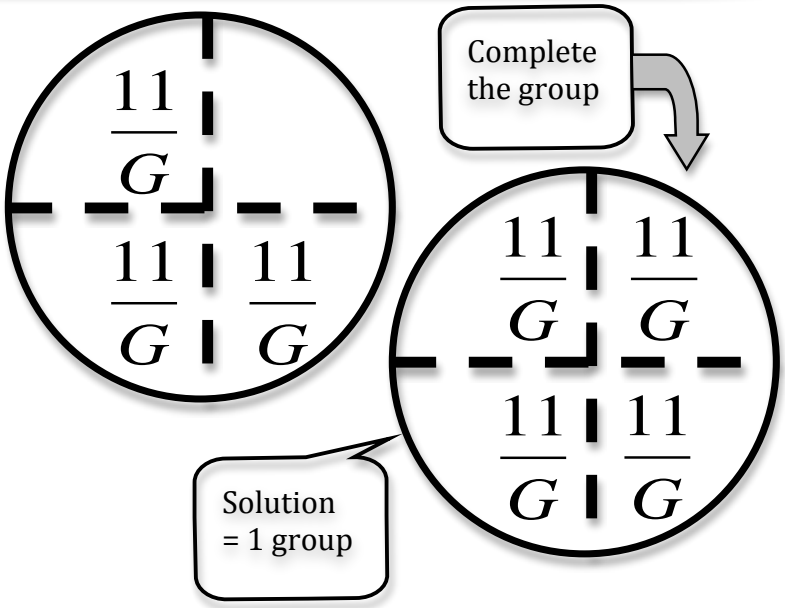
$$2\frac{1}{3} \div 4$$



$$\frac{7}{G} = \frac{7}{12}$$

Think….11 reds, trade for 33 greens to divide into 3 quarters

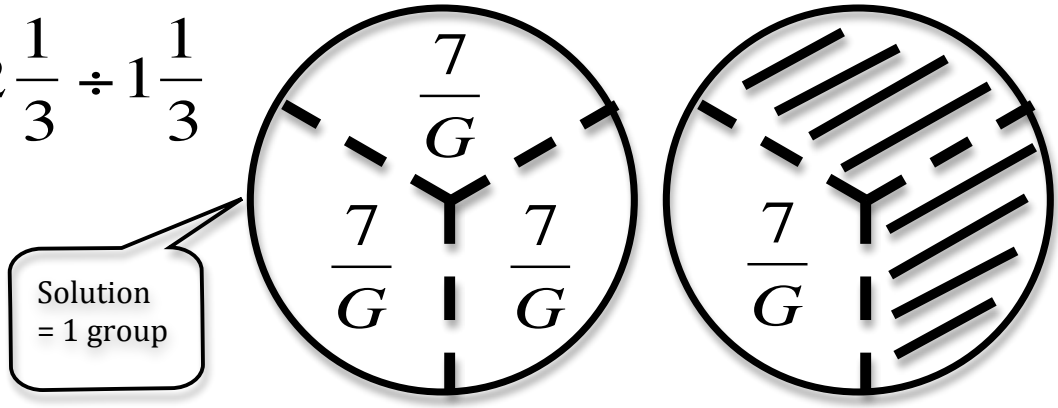
$$2\frac{3}{4} \div \frac{3}{4}$$



$$\frac{11}{G} + \frac{11}{G} + \frac{11}{G} + \frac{11}{G} = \frac{44}{G} = 3\frac{8}{12} = 3\frac{2}{3}$$

Think….7 chevrons, trade for 28 greens to divide into 4 thirds

$$2\frac{1}{3} \div 1\frac{1}{3}$$



$$\frac{7}{G} + \frac{7}{G} + \frac{7}{G} = \frac{21}{G} = 1\frac{9}{G} = 1\frac{3}{4}$$