



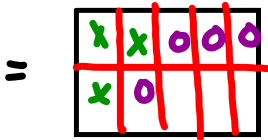
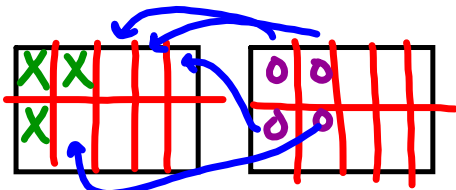
# Warm Up Grade 7

numerator → Shade  
denominator → whole cut in to

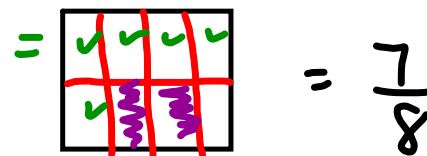
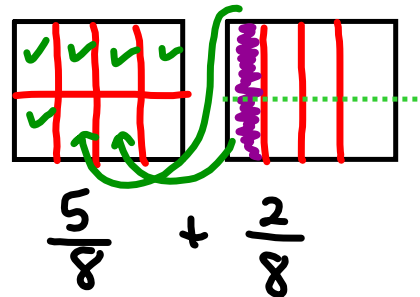


Use Fraction rectangles

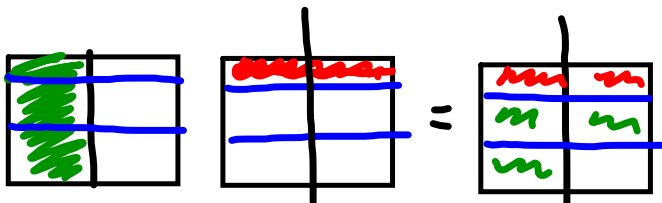
$$a) \frac{3}{10} + \frac{4}{10} = \frac{7}{10}$$



$$b) \frac{5}{8} + \frac{1}{4}$$



$$c) \frac{1}{2} + \frac{1}{3}$$



$$\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

$$\begin{array}{r} 3x \\ 3x \\ \frac{1}{2} \\ + \\ \frac{3}{6} \end{array} + \begin{array}{r} \frac{1}{3} \\ \frac{2}{6} \\ + \\ \frac{2}{6} \end{array} \begin{array}{l} x2 \\ x2 \end{array}$$
$$\frac{5}{6}$$

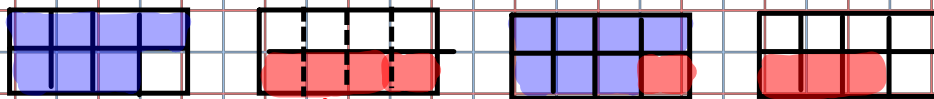
pg 179

$$\begin{aligned} \text{a) } & \frac{2}{4} + \frac{1}{2} \\ & \frac{2}{4} + \frac{2}{4} = \frac{4}{4} \\ & \text{or } 1 \end{aligned}$$

$$\begin{aligned} \text{b) } & \frac{2}{3} + \frac{4}{6} \\ & \frac{4}{6} + \frac{4}{6} = \frac{8}{6} \text{ or } 1\frac{2}{6} \end{aligned}$$

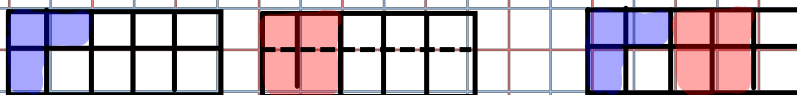
$$\begin{aligned} \text{c) } & \frac{7}{10} + \frac{4}{5} \\ & \frac{7}{10} + \frac{8}{10} = \frac{15}{10} \text{ or } 1\frac{5}{10} \text{ or } 1\frac{1}{2} \end{aligned}$$

$$2a) \frac{7}{8} + \frac{1}{2}$$



$$\frac{7}{8} + \frac{4}{8} = \frac{11}{8} \text{ or } 1\frac{3}{8}$$

$$b) \frac{3}{10} + \frac{2}{5}$$



$$\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$$

$$c) \frac{2}{3} + \frac{1}{2}$$



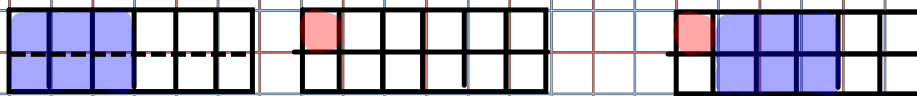
$$\frac{4}{6} + \frac{3}{6} = \frac{7}{6} \text{ or } 1\frac{1}{6}$$

$$d) \frac{2}{3} + \frac{5}{6}$$



$$\frac{4}{6} + \frac{5}{6} = \frac{9}{6} \text{ or } 1\frac{3}{6} \text{ or } 1\frac{1}{2}$$

$$(e) \frac{3}{6} + \frac{1}{12}$$



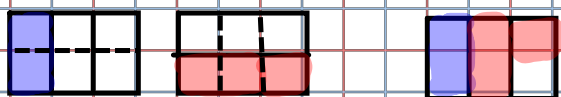
$$\frac{6}{12} + \frac{1}{12} = \frac{7}{12}$$

$$f) \frac{1}{4} + \frac{2}{8}$$



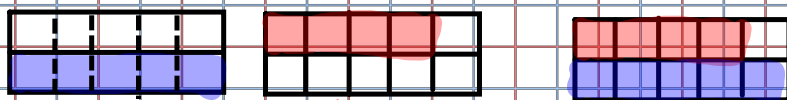
$$\frac{2}{8} + \frac{2}{8} = \frac{4}{8}$$

$$g) \frac{1}{3} + \frac{1}{2}$$



$$\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$

$$h) \frac{1}{2} + \frac{4}{10}$$



$$\frac{5}{10} + \frac{4}{10} = \frac{9}{10}$$

3.

$$\frac{1}{3} + \frac{1}{6}$$

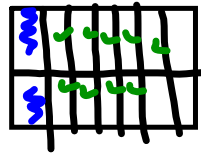
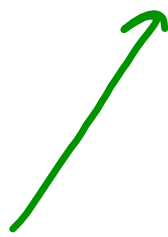
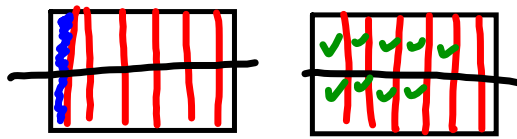
$$\frac{2}{6} + \frac{1}{6} = \frac{3}{6} \text{ or } \frac{1}{2} \text{ hour spent practicing.}$$

Model

$$\begin{array}{r} 2 \times \underline{1} \\ 2 \times 7 \end{array} + \frac{9}{14}$$

$$\frac{2}{14} + \frac{9}{14}$$

$$\frac{11}{14}$$



Page 179-180 #1, 2(ab model, rest use CD), 3,

1. Model the following to solve the addition questions.

(a)  $\frac{8}{15} + \frac{2}{15}$

(b)  $\frac{1}{7} + \frac{5}{7}$

(c)  $\frac{7}{10} + \frac{2}{10}$

(d)  $\frac{9}{15} + \frac{6}{15}$

(e)  $\frac{4}{5} + \frac{3}{5}$

(f)  $\frac{6}{8} + \frac{5}{8}$

(g)  $\frac{7}{8} + \frac{5}{8}$

(h)  $\frac{1}{8} + \frac{1}{2}$

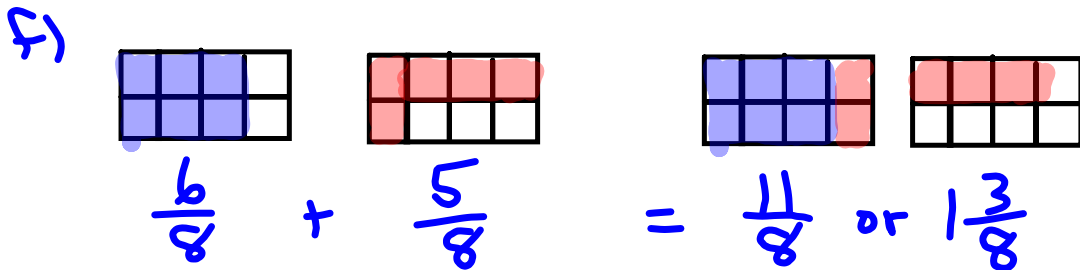
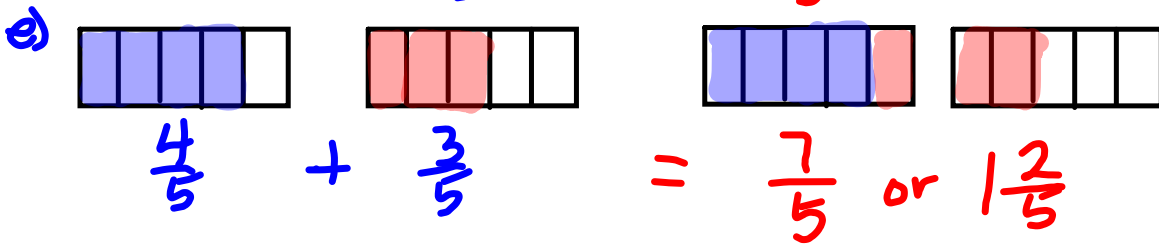
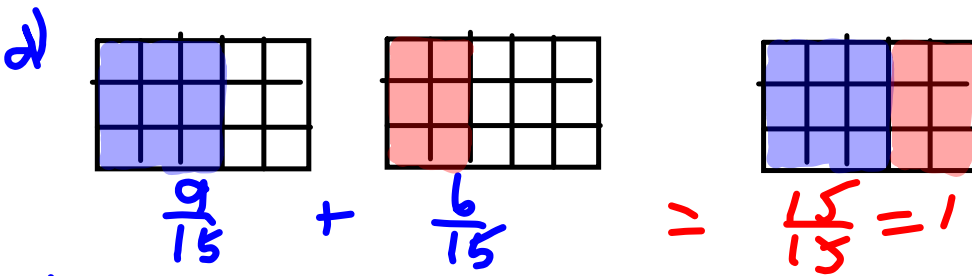
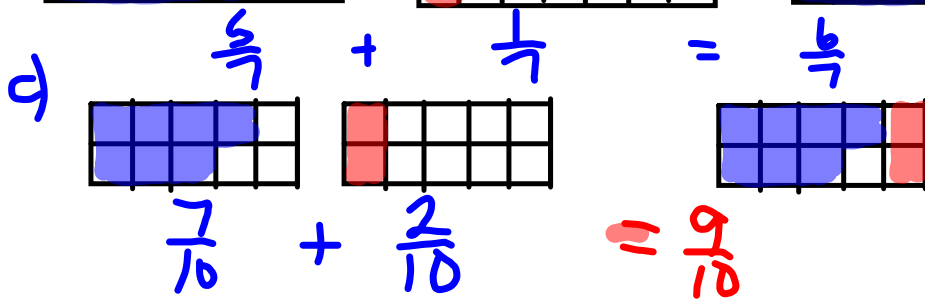
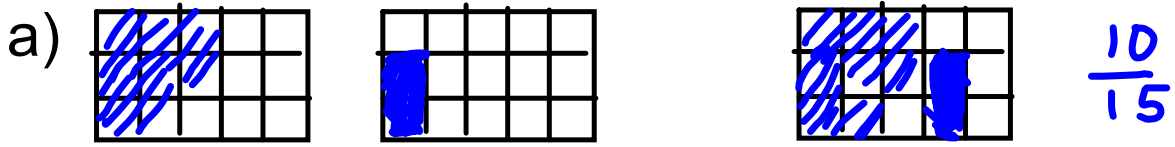
(i)  $\frac{2}{6} + \frac{1}{2}$

(j)  $\frac{5}{9} + \frac{1}{3}$

(k)  $\frac{1}{2} + \frac{1}{4}$

(l)  $\frac{3}{10} + \frac{2}{5}$

THEN if time #4, #5, #7





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$$\frac{7}{10} + \frac{5}{10} = \frac{12}{10} \text{ or } \frac{14}{10} \text{ or } 1\frac{4}{10}$$

$$\frac{2}{10} + \frac{8}{10} = \frac{10}{10}$$

30

$$\frac{4}{6} + \frac{2}{6} = \frac{6}{6}$$

31

$$\frac{5}{9} + \frac{3}{9} = \frac{8}{9}$$

32

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

33

$$\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$$

$$4. \text{ i) } \frac{1}{5} + \frac{1}{5} = \frac{2}{5}$$

$$\text{ii) } \frac{2}{3} + \frac{1}{3} = \frac{3}{3} \text{ or } 1$$

$$\text{iii) } \frac{4}{10} + \frac{3}{10} = \frac{7}{10}$$

$$\text{iv) } \frac{1}{6} + \frac{3}{6} = \frac{4}{6} \text{ or } \frac{2}{3}$$

b) If you have like denominators, you add the fractions by adding the numerators and keeping the same denominator.

$$5 \text{ a) } \frac{1}{4} + \frac{2}{4}$$

less than 1. since it is  $\frac{3}{4}$

$$\text{b) } \frac{2}{5} + \frac{7}{5}$$

greater than 1, since  $\frac{7}{5} > 1$

$$\text{c) } \frac{3}{4} + \frac{1}{4}$$

$= \frac{4}{4}$  which is 1  
so it equals 1

$$\text{d) } \frac{1}{10} + \frac{3}{10}$$

$< 1$ ,  $\frac{1}{10} + \frac{3}{10} = \frac{4}{10}$

Pass out and have students make their own fraction strips.  
Worth 10 marks in class tomorrow.

$\frac{1}{9} \rightarrow$  Peach / Beige / Skin Color