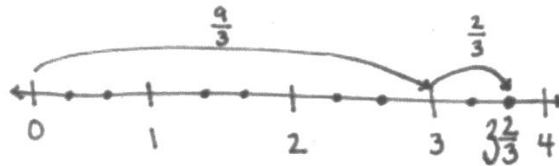


Name Jack Date _____

1. Rename each fraction as a mixed number by decomposing it into 2 parts as shown below. Model the decomposition with a number line and a number bond.

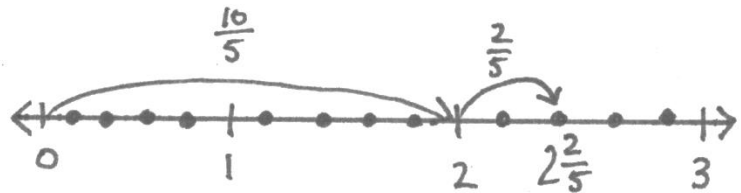
a. $\frac{11}{3}$

$$\frac{11}{3} = \frac{9}{3} + \frac{2}{3} = 3 + \frac{2}{3} = 3\frac{2}{3}$$

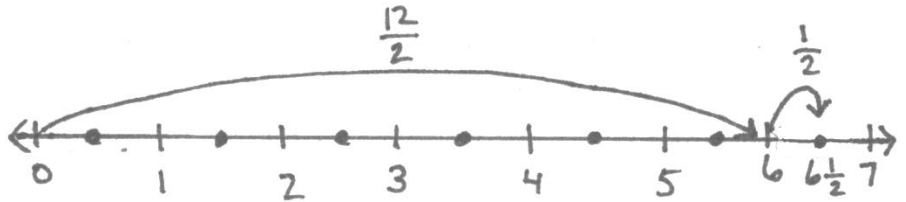


b. $\frac{12}{5}$

$$\frac{12}{5} = \frac{10}{5} + \frac{2}{5} = 2 + \frac{2}{5} = 2\frac{2}{5}$$



$$\frac{10}{5} \quad \frac{2}{5}$$



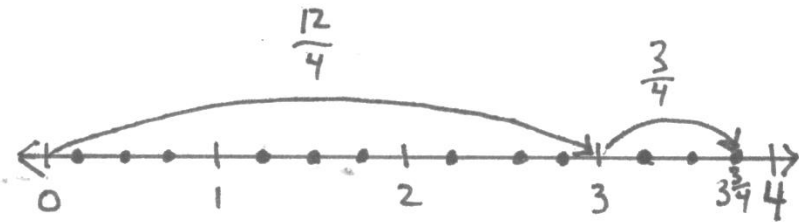
c. $\frac{13}{2}$

$$\frac{13}{2} = \frac{12}{2} + \frac{1}{2} = 6 + \frac{1}{2} = 6\frac{1}{2}$$

$$\frac{12}{2} \quad \frac{1}{2}$$

d. $\frac{15}{4}$

$$\frac{15}{4} = \frac{12}{4} + \frac{3}{4} = 3 + \frac{3}{4} = 3\frac{3}{4}$$



$$\frac{12}{4} \quad \frac{3}{4}$$



Lesson 24:
Date:

Decompose and compose fractions greater than one to express them in various forms.
11/21/13

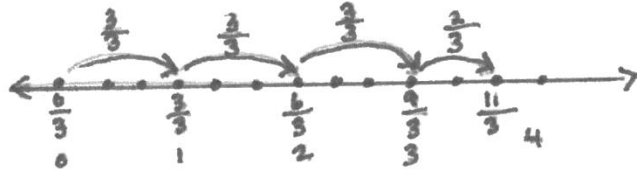
engage^{ny}

5.E.7

2. Convert each fraction to a mixed number. Show your work as in the example. Model with a number line.

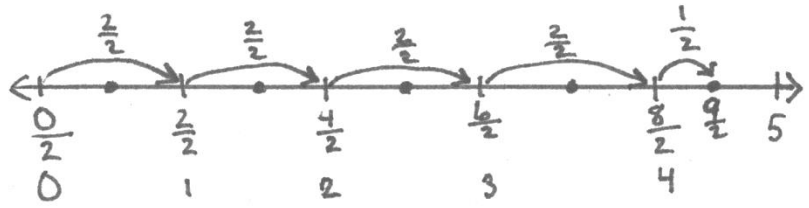
a. $\frac{11}{3}$

$$\frac{11}{3} = \frac{3 \times 3}{3} + \frac{2}{3} = 3 + \frac{2}{3} = 3\frac{2}{3}$$



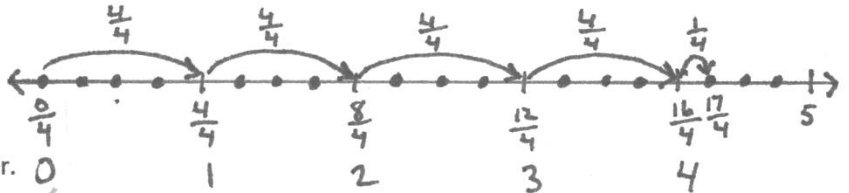
b. $\frac{9}{2}$

$$\frac{9}{2} = \frac{4 \times 2}{2} + \frac{1}{2} = 4 + \frac{1}{2} = 4\frac{1}{2}$$



c. $\frac{17}{4}$

$$\frac{17}{4} = \frac{4 \times 4}{4} + \frac{1}{4} = 4 + \frac{1}{4} = 4\frac{1}{4}$$



3. Convert each fraction to a mixed number.

(a) $\frac{9}{4} =$ $\frac{9}{4} = (2 \times \frac{4}{4}) + \frac{1}{4} = 2 + \frac{1}{4}$ $= 2\frac{1}{4}$	(b) $\frac{17}{5} =$ $\frac{17}{5} = (3 \times \frac{5}{5}) + \frac{2}{5} = 3 + \frac{2}{5}$ $= 3\frac{2}{5}$	(c) $\frac{25}{6} =$ $\frac{25}{6} = (4 \times \frac{6}{6}) + \frac{1}{6} = 4 + \frac{1}{6}$ $= 4\frac{1}{6}$
(d) $\frac{30}{7} =$ $\frac{30}{7} = (4 \times \frac{7}{7}) + \frac{2}{7} = 4 + \frac{2}{7}$ $= 4\frac{2}{7}$	(e) $\frac{38}{8} =$ $\frac{38}{8} = (4 \times \frac{8}{8}) + \frac{6}{8} = 4 + \frac{6}{8}$ $= 4\frac{6}{8}$	(f) $\frac{48}{9} =$ $\frac{48}{9} = (5 \times \frac{9}{9}) + \frac{3}{9} = 5 + \frac{3}{9}$ $= 5\frac{3}{9}$
(g) $\frac{63}{10} =$ $\frac{63}{10} = (6 \times \frac{10}{10}) + \frac{3}{10} = 6 + \frac{3}{10}$ $= 6\frac{3}{10}$	(h) $\frac{84}{10} =$ $\frac{84}{10} = (8 \times \frac{10}{10}) + \frac{4}{10} = 8 + \frac{4}{10}$ $= 8\frac{4}{10}$	(i) $\frac{37}{12} =$ $\frac{37}{12} = (3 \times \frac{12}{12}) + \frac{1}{12} = 3 + \frac{1}{12}$ $= 3\frac{1}{12}$