

Lesson 20

Problem Set

1. a. 2, 1, 3

b. Tape diagrams model

$$\frac{1}{4} + \frac{1}{12} = \frac{3}{12} + \frac{1}{12} = \frac{4}{12}$$

c. Tape diagrams model $\frac{2}{6} + \frac{1}{3} = \frac{2}{6} + \frac{2}{6} = \frac{4}{6}$

d. Tape diagrams model $\frac{1}{2} + \frac{3}{8} = \frac{4}{8} + \frac{3}{8} = \frac{7}{8}$

e. Tape diagrams model

$$\frac{3}{10} + \frac{3}{5} = \frac{3}{10} + \frac{6}{10} = \frac{9}{10}$$

f. Tape diagrams model $\frac{2}{3} + \frac{2}{9} = \frac{6}{9} + \frac{2}{9} = \frac{8}{9}$

2. a. Answer provided

b. Number line models $\frac{1}{2} + \frac{4}{10}$; $\frac{5}{10} + \frac{4}{10} = \frac{9}{10}$

c. Number line models $\frac{6}{10} + \frac{1}{2}$; $\frac{6}{10} + \frac{5}{10} = \frac{11}{10}$

d. Number line models $\frac{2}{3} + \frac{3}{6}$; $\frac{4}{6} + \frac{3}{6} = \frac{7}{6}$

e. Number line models $\frac{3}{4} + \frac{6}{8}$; $\frac{6}{8} + \frac{6}{8} = \frac{12}{8}$

f. Number line models $\frac{4}{10} + \frac{6}{5}$; $\frac{4}{10} + \frac{12}{10} = \frac{16}{10}$

3. $\frac{8}{6}$

Exit Ticket

1. Number line models $\frac{5}{8} + \frac{2}{4}$; $\frac{5}{8} + \frac{4}{8} = \frac{9}{8}$

2. $\frac{5}{4}$

Homework

1. a. Tape diagrams model $\frac{1}{3} + \frac{1}{6} = \frac{2}{6} + \frac{1}{6} = \frac{3}{6}$

b. Tape diagrams model $\frac{1}{2} + \frac{1}{4} = \frac{2}{4} + \frac{1}{4} = \frac{3}{4}$

c. Tape diagrams model $\frac{3}{4} + \frac{1}{8} = \frac{6}{8} + \frac{1}{8} = \frac{7}{8}$

d. Tape diagrams model

$$\frac{1}{4} + \frac{5}{12} = \frac{3}{12} + \frac{5}{12} = \frac{8}{12}$$

e. Tape diagrams model $\frac{3}{8} + \frac{1}{2} = \frac{3}{8} + \frac{4}{8} = \frac{7}{8}$

f. Tape diagrams model

$$\frac{3}{5} + \frac{3}{10} = \frac{6}{10} + \frac{3}{10} = \frac{9}{10}$$

2. a. Answer provided

b. Number line models $\frac{3}{5} + \frac{7}{10}$; $\frac{6}{10} + \frac{7}{10} = \frac{13}{10}$

c. Number line models $\frac{5}{12} + \frac{1}{4}$; $\frac{5}{12} + \frac{3}{12} = \frac{8}{12}$

d. Number line models $\frac{3}{4} + \frac{5}{8}$; $\frac{6}{8} + \frac{5}{8} = \frac{11}{8}$

e. Number line models $\frac{7}{8} + \frac{3}{4}$; $\frac{7}{8} + \frac{6}{8} = \frac{13}{8}$

f. Number line models $\frac{1}{6} + \frac{5}{3}$; $\frac{1}{6} + \frac{10}{6} = \frac{11}{6}$

3. $\frac{7}{6}$