

## Lesson 25

### Problem Set

1.
  - a. Answer provided
  - b.  $\frac{14}{5}$ ; number line models work.
  - c.  $\frac{29}{8}$ ; number line models work.
  - d.  $\frac{44}{10}$ ; number line models work.
  - e.  $\frac{43}{9}$ ; number line models work.
2.
  - a. Answer provided
  - b.  $4\frac{1}{3} = 4 + \frac{1}{3} = \left(4 \times \frac{3}{3}\right) + \frac{1}{3} = \frac{12}{3} + \frac{1}{3} = \frac{13}{3}$
  - c.  $4\frac{3}{5} = 4 + \frac{3}{5} = \left(4 \times \frac{5}{5}\right) + \frac{3}{5} = \frac{20}{5} + \frac{3}{5} = \frac{23}{5}$
  - d.  $4\frac{6}{8} = 4 + \frac{6}{8} = \left(4 \times \frac{8}{8}\right) + \frac{6}{8} = \frac{32}{8} + \frac{6}{8} = \frac{38}{8}$
3.
  - a.  $\frac{11}{4}$
  - b.  $\frac{12}{5}$
  - c.  $\frac{21}{6}$
  - d.  $\frac{27}{8}$
  - e.  $\frac{31}{10}$
  - f.  $\frac{35}{8}$
  - g.  $\frac{17}{3}$
  - h.  $\frac{13}{2}$
  - i.  $\frac{73}{10}$

### Exit Ticket

1.  $\frac{16}{5}$
2.  $\frac{13}{5}$
3.  $\frac{38}{9}$

**Homework**

1. a. Answer provided
- b.  $\frac{22}{5}$ ; number line models work.
- c.  $\frac{43}{8}$ ; number line models work.
- d.  $\frac{37}{10}$ ; number line models work.
- e.  $\frac{56}{9}$ ; number line models work.
2. a. Answer provided
- b.  $5\frac{2}{3} = 5 + \frac{2}{3} = \left(5 \times \frac{3}{3}\right) + \frac{2}{3} = \frac{15}{3} + \frac{2}{3} = \frac{17}{3}$
- c.  $4\frac{1}{5} = 4 + \frac{1}{5} = \left(4 \times \frac{5}{5}\right) + \frac{1}{5} = \frac{20}{5} + \frac{1}{5} = \frac{21}{5}$
- d.  $3\frac{7}{8} = 3 + \frac{7}{8} = \left(3 \times \frac{8}{8}\right) + \frac{7}{8} = \frac{24}{8} + \frac{7}{8} = \frac{31}{8}$
3. a.  $\frac{7}{3}$
- b.  $\frac{11}{4}$
- c.  $\frac{17}{5}$
- d.  $\frac{19}{6}$
- e.  $\frac{53}{12}$
- f.  $\frac{22}{5}$
- g.  $\frac{41}{10}$
- h.  $\frac{26}{5}$
- i.  $\frac{35}{6}$
- j.  $\frac{25}{4}$
- k.  $\frac{15}{2}$
- l.  $\frac{95}{12}$