

Exercise 22

- 1. (a) $3\frac{1}{2}$ (b) $2\frac{4}{5}$
- (c) $2\frac{1}{6}$ (d) $3\frac{7}{8}$
- 2. (a) $1\frac{3}{5}; 2\frac{2}{5}$ (b) $3\frac{1}{5}$
- (c) $3\frac{3}{4}$ (d) $2\frac{2}{3}$

Exercise 23

- 1. (a) $\frac{6}{3}$ (b) $\frac{8}{4}$
- (c) $\frac{11}{16}$ (d) $\frac{13}{5}$
- 2. (b) $2\frac{4}{9}; \frac{22}{9}$ (c) $1\frac{2}{3}; \frac{5}{3}$
- (d) $3\frac{3}{4}; \frac{15}{4}$ (e) $2\frac{3}{5}; \frac{13}{5}$
- (f) $2\frac{7}{8}; \frac{23}{8}$

Exercise 24

- 1. (a) $2\frac{3}{4}$ (b) $3\frac{3}{5}$
- 2. $1\frac{2}{3}; 2\frac{1}{3}; 3; 3\frac{2}{3}$
- 3. (a) $2\frac{1}{2}$ (b) $1\frac{7}{10}$
- (c) $1\frac{1}{6}$ (d) $2\frac{1}{3}$
- (e) $2\frac{1}{5}$ (f) $2\frac{1}{4}$
- (g) $1\frac{3}{8}$ (h) $4\frac{1}{2}$
- (i) 3 (j) 4

Exercise 25

- 1. (a) 6 (b) $6; \frac{8}{3}$
- 2. (a) $\frac{11}{6}$ (b) $\frac{19}{8}$
- 3. (a) $\frac{7}{5}$ (b) $\frac{5}{4}$
- (c) $\frac{19}{8}$ (d) $\frac{21}{10}$
- (e) $\frac{19}{6}$ (f) $\frac{10}{3}$
- (g) $\frac{5}{2}$ (h) $\frac{23}{5}$
- (i) $\frac{13}{9}$ (j) $\frac{29}{12}$
- 4. $\frac{4}{4}; \frac{7}{4}; \frac{9}{4}; \frac{11}{4}; \frac{14}{4}$
- 5. $1\frac{1}{3} \rightarrow \frac{4}{3}, 1\frac{1}{4} \rightarrow \frac{5}{4}, 1\frac{1}{5} \rightarrow \frac{6}{5},$
 $1\frac{1}{6} \rightarrow \frac{7}{6}, 1\frac{1}{7} \rightarrow \frac{8}{7}, 1\frac{1}{8} \rightarrow \frac{9}{8},$
 $1\frac{1}{9} \rightarrow \frac{10}{9}, 2\frac{2}{3} \rightarrow \frac{8}{3}, 2\frac{1}{2} \rightarrow \frac{5}{2},$
 $1\frac{3}{4} \rightarrow \frac{7}{4}, 2\frac{1}{5} \rightarrow \frac{11}{5}, 1\frac{5}{6} \rightarrow \frac{11}{6},$
 $1\frac{7}{8} \rightarrow \frac{15}{8}$

Exercise 26

- 1. (a) 3 (b) $2\frac{1}{2}$ (c) 3
- (d) $2\frac{2}{3}$ (e) $6\frac{1}{3}$ (f) $3\frac{1}{3}$
- 2. $3\frac{7}{4} \rightarrow 4\frac{3}{4}, 3\frac{1}{2} \rightarrow 2\frac{3}{2},$
 $2\frac{2}{5} \rightarrow 1\frac{7}{5}, 2\frac{1}{3} \rightarrow 1\frac{4}{3},$
- 3. $3\frac{1}{4} \rightarrow 2\frac{5}{4}, 4\frac{1}{6} \rightarrow 3\frac{7}{6}$
- (a) 1 (b) 1
- (c) $1\frac{1}{2}$ (d) $1\frac{2}{7}$
- (e) $1\frac{1}{3}$ (f) $1\frac{1}{8}$
- (g) $1\frac{1}{6}$ (h) $1\frac{1}{10}$
- 4. (a) $\frac{2}{9}$ (b) $\frac{7}{12}$
- (c) $1\frac{1}{4}$ (d) $1\frac{3}{8}$
- (e) $2\frac{3}{7}$ (f) $\frac{1}{5}$
- 5. (a) > [greater than]
- (b) < [smaller than]
- (c) < [smaller than]
- (d) = [equal to]
- (e) < [smaller than]
- (f) < [smaller than]
- (g) = [equal to]
- (h) > [greater than]
- (i) > [greater than]
- (j) = [equal to]