

Unit 17.1

1. a)  $\frac{2}{4}$       b)  $\frac{3}{6}$       c)  $\frac{6}{10}$       d)  $\frac{3}{8}$       e)  $\frac{10}{23}$   
 3.  $\frac{3}{7}$       4.  $2 \times 12$  or  $12 \times 2$ ;  $\frac{2}{24}$ ,  $\frac{12}{24}$       5.  $\frac{2}{5}$

Unit 17.2

1. a)  $\frac{3}{5}$       c)  $\frac{1}{2}$       c)  $\frac{3}{4}$   
 2. a)  $\frac{2}{5}$       b)  $\frac{5}{7}$       c)  $\frac{3}{9}$       d)  $\frac{2}{10}$   
 3. object numerator, number of person denominator  
 4.  $\frac{4}{9}$       5. 99      6. 5      7. 25

Unit 17.3

1. a) 9      b) 6      c) 10      d) 10      e) 15      f) 2  
 2. 16      3. c      4. 4      5. 5

Unit 17.4

1. a)  $\frac{2}{3}$       b)  $\frac{4}{5}$       c)  $\frac{1}{2}$       2. c is smallest  
 3. a)  $\frac{1}{3}$       b)  $\frac{1}{5}$       c)  $\frac{1}{2}$       4. about half      5. b  
 6. 5

Unit 17.5

1. a)  $\frac{3}{9}$       b)  $\frac{3}{5}$       c)  $\frac{6}{15}$       d)  $\frac{1}{2}$       e)  $\frac{3}{5}$       f)  $\frac{15}{35}$   
 2.  $\frac{2}{3}$       3.  $\frac{1}{2}, \frac{2}{4}; \frac{1}{3}, \frac{2}{6}; \frac{1}{4}, \frac{2}{8}; \frac{1}{5}, \frac{2}{10}$  etc  
 4. a) yes      b) no      c) no      d) yes      e) yes      f) yes

Unit 17.6

1. a)  $\frac{3}{2}$       b)  $\frac{3}{5}$       c)  $\frac{1}{3}$       d)  $\frac{2}{3}$       e)  $\frac{14}{17}$       f)  $\frac{1}{3}$   
 g)  $\frac{4}{7}$       h)  $\frac{1}{2}$       2.  $\frac{12}{22} = \frac{6}{11}$       3.  $\frac{18}{60} = \frac{3}{10}$       4.  $\frac{136}{200} = \frac{17}{25}$   
 5. a)  $\frac{4}{11}$       b)  $\frac{16}{55}$

## Unit 17.7

1. a)  $\frac{3}{7}$       b)  $\frac{5}{12}$       c)  $\frac{9}{15}$       d)  $\frac{3}{6}$       e)  $\frac{41}{42}$       f)  $\frac{47}{50}$   
 2. a)  $\frac{4}{3}$       b)  $\frac{8}{7}$       c)  $\frac{4}{2}$       d)  $\frac{2}{1}$       e)  $\frac{7}{3}$       f)  $\frac{45}{45}$   
 3. Gunner  
 4. 1      5.  $\frac{45}{6} = \frac{15}{2}$  and  $2\frac{2}{10} = \frac{22}{10} = \frac{11}{5}$       6. Macro;  $\frac{3}{10}$

## Unit 17.8

1. a) <      b) >      c) <      d) <      e) >      f) >  
 2. a) <      b) =      c) <      d) >      e) >      f) <  
 3. a)  $\frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}$       b)  $\frac{1}{9}, \frac{2}{9}, \frac{6}{9}, \frac{8}{9}$       c)  $\frac{1}{3}, \frac{5}{12}, \frac{6}{12}, \frac{9}{12}$   
 d)  $\frac{1}{6}, \frac{3}{9}, \frac{7}{12}, \frac{2}{3}$   
 4. a)  $\frac{6}{7}, \frac{5}{7}, \frac{4}{7}, \frac{2}{7}$       b)  $\frac{4}{5}, \frac{2}{3}, \frac{1}{2}$       c)  $\frac{1}{5}, \frac{1}{2}, \frac{2}{10}, \frac{4}{10}$   
 d)  $\frac{4}{5}, \frac{7}{10}, \frac{6}{10}, \frac{2}{5}$       5. David      6. blue color is longest  
 7. Team A      8.  $\frac{3}{9}, \frac{2}{3}, \frac{5}{7}$   
 9. Black is largest colored, Blue is least colored, and  $\frac{2}{7}, \frac{1}{3}, \frac{3}{5}$

## Unit 17.9

1. 5      2. Felix's strip is more      3. 36  
 4. 16      5. 7      6. 9

## Unit 17.10

2. 14      3. 11      4. 28      5. \$100      6. 30 in  
 7.  $\frac{15}{25} \div \frac{5}{5} = \frac{3}{5}$  and  $\frac{24}{40} \div \frac{8}{8} = \frac{3}{5}$       8. 75,60,6,25,9,55      9. a  
 10. multiply both by 6      11. a) =      b) >      c) <  
 12. a)  $\frac{1}{9}, \frac{1}{6}, \frac{1}{2}$       b)  $\frac{2}{9}, \frac{8}{24}, \frac{5}{12}$       c)  $\frac{7}{54}, \frac{12}{18}, \frac{5}{6}$   
 13. a)  $\frac{9}{3}, \frac{4}{6}, \frac{1}{2}$       b)  $\frac{4}{5}, \frac{13}{20}, \frac{48}{80}$       c)  $\frac{1}{3}, \frac{1}{5}, \frac{1}{6}$   
 14. 5      15. 18