

Systematic Review 6E

1. $\frac{6}{30} + \frac{15}{30} = \frac{21}{30}$
2. $\frac{3}{21} + \frac{14}{21} = \frac{17}{21}$
3. $\frac{5}{15} + \frac{3}{15} = \frac{8}{15}$
4. $\frac{15}{18} - \frac{12}{18} = \frac{3}{18}$
5. $\frac{4}{12} - \frac{3}{12} = \frac{1}{12}$
6. $\frac{9}{18} - \frac{2}{18} = \frac{7}{18}$
7. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{12}{28}$
8. $\frac{9}{11} = \frac{18}{22} = \frac{27}{33} = \frac{36}{44}$
9. $35 \div 7 = 5$
 $5 \times 1 = 5$
10. $50 \div 5 = 10$
 $10 \times 4 = 40$
11. $36 \div 4 = 9$
 $9 \times 3 = 27$
12. $(50) \times (20) = (1000)$
 $45 \times 24 = 1080$
13. $(70) \times (20) = (1400)$
 $67 \times 18 = 1206$
14. $(30) \times (40) = (1200)$
 $32 \times 39 = 1248$
15. $15 \times \$33 = \495
16. $80 \div 10 = 8$
 $8 \times 9 = 72$ posts
17. $\frac{3}{6} + \frac{1}{6} = \frac{4}{6}$ gone
 $\frac{6}{6} - \frac{4}{6} = \frac{2}{6}$ left
18. $9 \times 100 = 900$ cm
19. 500
20. $6 + 6 + 6 + 6 = 24$ m

Systematic Review 6F

1. $\frac{20}{30} + \frac{6}{30} = \frac{26}{30}$
2. $\frac{6}{12} + \frac{4}{12} = \frac{10}{12}$
3. $\frac{22}{77} + \frac{21}{77} = \frac{43}{77}$
4. $\frac{5}{10} - \frac{2}{10} = \frac{3}{10}$

5. $\frac{8}{12} - \frac{3}{12} = \frac{5}{12}$
6. $\frac{18}{72} - \frac{16}{72} = \frac{2}{72}$
7. $\frac{5}{6} = \frac{10}{12} = \frac{15}{18} = \frac{20}{24}$
8. $\frac{1}{10} = \frac{2}{20} = \frac{3}{30} = \frac{4}{40}$
9. $28 \div 7 = 4$;
 $4 \times 3 = 12$
10. $54 \div 6 = 9$; $9 \times 1 = 9$
11. $8 \div 8 = 1$; $1 \times 4 = 4$
12. $(70) \times (90) = (6300)$
 $73 \times 89 = 6497$
13. $(30) \times (90) = (2700)$
 $26 \times 91 = 2366$
14. $(50) \times (10) = (500)$
 $47 \times 11 = 517$
15. $18 \times 12 = 216$ eggs
16. $312 \times 3 = 936$ km
17. $\frac{4}{9} + \frac{3}{6} = \frac{24}{54} + \frac{27}{54} = \frac{51}{54}$ of a loaf
18. $60 \div 6 = 10$
 $5 \times 10 = 50$ min
19. 300
20. $32 + 45 + 32 + 45 = 154$ cm
 $2 \times 60 = 120$ cm
 $154 \text{ cm} > 120 \text{ cm}$; no

Lesson Practice 7A

1. done
2. $\frac{9}{15} < \frac{10}{15}$ so $\frac{3}{5} < \frac{2}{3}$
3. done
4. $\frac{18}{30} < \frac{20}{30}$ so $\frac{3}{5} < \frac{4}{6}$
5. $\frac{8}{12} < \frac{9}{12}$ so $\frac{2}{3} < \frac{3}{4}$
6. $\frac{6}{15} > \frac{5}{15}$ so $\frac{2}{5} > \frac{1}{3}$

Lesson Practice 7B

1. done
2. $\frac{12}{18} < \frac{15}{18}$ so $\frac{2}{3} < \frac{5}{6}$
less than
3. $\frac{12}{18} > \frac{9}{18}$ so $\frac{2}{3} > \frac{3}{6}$
greater than
4. $\frac{5}{10} > \frac{4}{10}$ so $\frac{1}{2} > \frac{2}{5}$
greater than
5. $\frac{6}{18} = \frac{6}{18}$ so $\frac{1}{3} = \frac{2}{6}$
equal
6. $\frac{10}{20} > \frac{4}{20}$ so $\frac{2}{4} > \frac{1}{5}$
greater than
7. $\frac{5}{10} > \frac{4}{10}$ so $\frac{1}{2} > \frac{2}{5}$
Trisha got more votes.
8. $\frac{6}{18} < \frac{12}{18}$ so $\frac{2}{6} < \frac{2}{3}$
Donald ran farther.

Lesson Practice 7C

1. $\frac{24}{30} > \frac{20}{30}$ so $\frac{4}{5} > \frac{4}{6}$
greater than
2. $\frac{8}{12} < \frac{12}{12}$ so $\frac{4}{6} < \frac{2}{2}$
less than
3. $\frac{21}{56} < \frac{32}{56}$ so $\frac{3}{8} < \frac{4}{7}$
less than
4. $\frac{6}{27} < \frac{9}{27}$ so $\frac{2}{9} < \frac{1}{3}$
less than
5. $\frac{18}{24} < \frac{20}{24}$
6. $\frac{12}{24} = \frac{12}{24}$
7. $\frac{10}{20} > \frac{6}{20}$
8. $\frac{28}{35} < \frac{30}{35}$
9. $\frac{6}{24} > \frac{4}{24}$ Shirley ate more pizza.
10. $\frac{36}{60} > \frac{35}{60}$ On the east side is larger.

Systematic Review 7D

1. $\frac{6}{18} < \frac{9}{18}$
2. $\frac{10}{16} > \frac{8}{16}$
3. $\frac{12}{48} = \frac{12}{48}$
4. $\frac{12}{24} + \frac{4}{24} = \frac{16}{24}$
5. $\frac{48}{80} - \frac{30}{80} = \frac{18}{80}$
6. $\frac{14}{63} + \frac{45}{63} = \frac{59}{63}$
7. $\frac{6}{8} = \frac{12}{16} = \frac{18}{24} = \frac{24}{32}$
8. $6 \div 2 = 3$;
 $3 \times 1 = 3$
9. $42 \div 6 = 7$;
 $7 \times 3 = 21$
10. $24 \div 8 = 3$;
 $3 \times 3 = 9$
11. done
12. $23 \div 5 = 4 \frac{3}{5}$
13. $59 \div 7 = 8 \frac{3}{7}$
14. $17 \div 4 = 4 \frac{1}{4}$ m
15. $\frac{16}{56} < \frac{35}{56}$ Penny did the most.
 $\frac{16}{56} + \frac{35}{56} = \frac{51}{56}$ done
 $\frac{56}{56} - \frac{51}{56} = \frac{5}{56}$ left
16. $\frac{5}{56}$ of 56:
 $56 \div 56 = 1$; $1 \times 5 = 5$ chores
17. $\frac{3}{12} + \frac{4}{12} = \frac{7}{12}$ of a cup
18. $63 + 21 = 84$ cm
 $10 \times 84 = 840$ mm

Systematic Review 7E

1. $\frac{9}{15} > \frac{5}{15}$
2. $\frac{12}{18} > \frac{3}{18}$
3. $\frac{108}{120} > \frac{70}{120}$
4. $\frac{5}{10} + \frac{4}{10} = \frac{9}{10}$

5. $\frac{6}{12} - \frac{4}{12} = \frac{2}{12}$
6. $\frac{15}{40} + \frac{24}{40} = \frac{39}{40}$
7. $\frac{1}{10} = \frac{2}{20} = \frac{3}{30} = \frac{4}{40}$
8. $32 \div .8 = 4$; $4 \times 7 = 28$
9. $21 \div 7 = 3$; $3 \times 2 = 6$
10. $20 \div 4 = 5$; $5 \times 3 = 15$
11. $32 \div 6 = 5\frac{2}{6}$
12. $19 \div 8 = 2\frac{3}{8}$
13. $48 \div 5 = 9\frac{3}{5}$
14. $(20) \times (20) = (400)$
 $21 \times 16 = 336$
15. $(30) \times (30) = (900)$
 $34 \times 29 = 986$
16. $(80) \times (10) = (800)$
 $75 \times 12 = 900$
17. $\frac{7}{42} + \frac{6}{42} = \frac{13}{42}$ of the cars
18. $28 \div 7 = 4$
 $4 \times 4 = 16$ games
19. $8 + 10 + 8 + 10 = 36$
 $\frac{1}{4}$ of 36 = 9 m
20. $\frac{10}{20} > \frac{6}{20}$ so $\frac{1}{2} > \frac{3}{10}$

Systematic Review 7F

1. $\frac{60}{120} = \frac{60}{120}$
2. $\frac{10}{35} < \frac{21}{35}$
3. $\frac{3}{6} < \frac{4}{6}$
4. $\frac{10}{15} + \frac{3}{15} = \frac{13}{15}$
5. $\frac{16}{24} - \frac{6}{24} = \frac{10}{24}$
6. $\frac{45}{54} + \frac{6}{54} = \frac{51}{54}$
7. $\frac{3}{4} = \frac{6}{8} = \frac{9}{12} = \frac{12}{16}$
8. $10 \div 5 = 2$; $2 \times 3 = 6$
9. $12 \div 4 = 3$; $3 \times 1 = 3$
10. $24 \div 6 = 4$; $4 \times 4 = 16$
11. $13 \div 3 = 4\frac{1}{3}$

12. $39 \div 4 = 9\frac{3}{4}$
13. $58 \div 9 = 6\frac{4}{9}$
14. $(60) \times (50) = (3000)$
 $64 \times 51 = 3264$
15. $(50) \times (20) = (1000)$
 $45 \times 19 = 855$
16. $(80) \times (40) = (3200)$
 $82 \times 37 = 3034$
17. $8 + 9 + 10 = 27$ m
18. $\frac{25}{30} > \frac{24}{30}$ so $\frac{5}{6} > \frac{4}{5}$
19. $30 \div 6 = 5$
 $5 \times 5 = 25$ questions for Kiley
 $30 \div 5 = 6$
 $6 \times 4 = 24$ questions for Casey
 $25 > 24$; yes
20. $\frac{20}{32} < \frac{24}{32}$ so $\frac{5}{8} < \frac{3}{4}$

Lesson Practice 8A

1. done
2. $\frac{6}{30} + \frac{5}{30} = \frac{11}{30}$
 $\frac{11}{30} + \frac{1}{2} = \frac{22}{60} + \frac{30}{60} = \frac{52}{60}$
3. $\frac{3}{24} + \frac{8}{24} = \frac{11}{24}$
 $\frac{11}{24} + \frac{1}{6} = \frac{66}{144} + \frac{24}{144} = \frac{90}{144}$
4. $\frac{6}{24} + \frac{20}{24} = \frac{26}{24}$
 $\frac{26}{24} + \frac{1}{3} = \frac{78}{72} + \frac{24}{72} = \frac{102}{72} = 1\frac{30}{72}$

Note: at this point the final step is optional when working with fractions larger than one.

5. done
6. done
7. $\frac{3 \times 6 \times 10}{7 \times 6 \times 10} + \frac{1 \times 7 \times 10}{6 \times 7 \times 10} + \frac{3 \times 7 \times 6}{10 \times 7 \times 6} =$
 $\frac{180}{420} + \frac{70}{420} + \frac{126}{420} = \frac{376}{420}$
8. $\frac{4 \times 2}{5 \times 2} + \frac{3}{10} + \frac{1 \times 5}{2 \times 5} =$
 $\frac{8}{10} + \frac{3}{10} + \frac{5}{10} = \frac{16}{10} = 1\frac{6}{10}$
9. $\frac{5}{8} + \frac{7}{8} + \frac{4}{8} = \frac{16}{8} = 2$ m