

6A

- 1) done
 2) $\frac{5}{10} + \frac{2}{10} = \frac{7}{10}$
 3) $\frac{4}{12} + \frac{6}{12} = \frac{10}{12}$
 4) $\frac{12}{18} - \frac{6}{18} = \frac{6}{18}$
 5) $\frac{12}{30} - \frac{5}{30} = \frac{7}{30}$
 6) $\frac{5}{20} - \frac{4}{20} = \frac{1}{20}$

6B

- 1) done
 2) $\frac{5}{20} + \frac{12}{20} = \frac{17}{20}$
 3) $\frac{3}{18} + \frac{6}{18} = \frac{9}{18}$
 4) $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$
 5) $\frac{20}{30} - \frac{6}{30} = \frac{14}{30}$
 6) $\frac{4}{8} - \frac{2}{8} = \frac{2}{8}$
 7) $\frac{12}{15} - \frac{10}{15} = \frac{2}{15}$
 8) $\frac{6}{12} - \frac{4}{12} = \frac{2}{12}$
 9) $\frac{3}{4} + \frac{1}{6} = \frac{18}{24} + \frac{4}{24} = \frac{22}{24}$
 10) $\frac{3}{4} - \frac{1}{2} = \frac{6}{8} - \frac{4}{8} = \frac{2}{8}$

6C

- 1) $\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$
 2) $\frac{5}{35} + \frac{14}{35} = \frac{19}{35}$
 3) $\frac{6}{16} + \frac{8}{16} = \frac{14}{16}$
 4) $\frac{4}{24} + \frac{18}{24} = \frac{22}{24}$
 5) $\frac{25}{30} - \frac{18}{30} = \frac{7}{30}$
 6) $\frac{16}{20} - \frac{5}{20} = \frac{11}{20}$
 7) $\frac{5}{15} - \frac{3}{15} = \frac{2}{15}$
 8) $\frac{14}{18} - \frac{9}{18} = \frac{5}{18}$
 9) $\frac{1}{2} + \frac{1}{4} = \frac{4}{8} + \frac{2}{8} = \frac{6}{8}$
 10) $\frac{2}{5} - \frac{1}{3} = \frac{6}{15} - \frac{5}{15} = \frac{1}{15}$

6D

- 1) $\frac{15}{20} + \frac{4}{20} = \frac{19}{20}$
 2) $\frac{6}{24} + \frac{8}{24} = \frac{14}{24}$
 3) $\frac{12}{18} + \frac{3}{18} = \frac{15}{18}$
 4) $\frac{6}{24} - \frac{4}{24} = \frac{2}{24}$
 5) $\frac{10}{30} - \frac{6}{30} = \frac{4}{30}$
 6) $\frac{32}{72} - \frac{9}{72} = \frac{23}{72}$
 7) $\frac{1}{5} = \frac{2}{10} = \frac{3}{15} = \frac{4}{20}$
 8) $\frac{4}{5} = \frac{8}{10} = \frac{12}{15} = \frac{16}{20}$
 9) $12 \div 3 = 4$
 $4 \times 1 = 4$
 10) $16 \div 8 = 2$
 $2 \times 7 = 14$
 11) $81 \div 9 = 9$
 $9 \times 4 = 36$
 12) $(20) \times (40) = (800)$
 $23 \times 36 = 828$
 13) $(80) \times (30) = (2,400)$
 $78 \times 34 = 2,652$
 14) $(70) \times (20) = (1,400)$
 $65 \times 15 = 975$
 15) $15 \times 24 = 360$
 16) $\frac{2}{3}$ of \$9 = \$6 on hand
 $\$9 - \$6 = \$3$ needed
 17) $\frac{1}{5} + \frac{1}{6} = \frac{6}{30} + \frac{5}{30} = \frac{11}{30}$
 18) $\frac{1}{2} + \frac{2}{5} = \frac{5}{10} + \frac{4}{10} = \frac{9}{10}$

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) $(50) \times (20) = (1,000)$
 $45 \times 24 = 1,080$
 13) $(70) \times (20) = (1,400)$
 $67 \times 18 = 1,206$
 14) $(30) \times (40) = (1,200)$
 $32 \times 39 = 1,248$
 15) $15 \times \$33 = \495
 16) $9/10$ of 80 = 72
 17) $\frac{3}{6} + \frac{1}{6} = \frac{4}{6}$ gone
 $\frac{6}{6} - \frac{4}{6} = \frac{2}{6}$ left
 18) $\frac{1}{6} - \frac{1}{12} = \frac{2}{12} - \frac{1}{12} = \frac{1}{12}$
 19) 500
 20) $6 + 6 + 6 + 6 = 24$ yds

Test 5

- 1) $\frac{15}{30} + \frac{12}{30} = \frac{27}{30}$
- 2) $\frac{6}{12} + \frac{4}{12} = \frac{10}{12}$
- 3) $\frac{6}{30} + \frac{5}{30} = \frac{11}{30}$
- 4) $\frac{5}{20} - \frac{4}{20} = \frac{1}{20}$
- 5) $\frac{25}{30} - \frac{12}{30} = \frac{13}{30}$
- 6) $\frac{4}{8} - \frac{2}{8} = \frac{2}{8}$
- 7) $\frac{1}{7} = \frac{2}{14} = \frac{3}{21} = \frac{4}{28}$
- 8) $\frac{2}{3} = \frac{4}{6} = \frac{6}{9} = \frac{8}{12}$
- 9) $36 \div 9 = 4$; $4 \times 5 = 20$
- 10) $90 \div 10 = 9$; $9 \times 3 = 27$
- 11) $48 \div 6 = 8$; $8 \times 4 = 32$
- 12) 90
- 13) 10
- 14) 300
- 15) 200
- 16) $\frac{3}{18} + \frac{6}{18} = \frac{9}{18}$
- 17) $\frac{18}{18} - \frac{9}{18} = \frac{9}{18}$
- 18) $\frac{4}{6} - \frac{3}{6} = \frac{1}{6}$
- 19) $122 \times 3 = 366$ cups
- 20) $7 + 24 + 25 = 56'$

Test 6

- 1) $\frac{5}{15} + \frac{6}{15} = \frac{11}{15}$
- 2) $\frac{18}{24} + \frac{4}{24} = \frac{22}{24}$
- 3) $\frac{30}{70} + \frac{7}{70} = \frac{37}{70}$
- 4) $\frac{6}{12} - \frac{2}{12} = \frac{4}{12}$
- 5) $\frac{15}{24} - \frac{8}{24} = \frac{7}{24}$
- 6) $\frac{20}{24} - \frac{18}{24} = \frac{2}{24}$
- 7) $\frac{7}{8} = \frac{14}{16} = \frac{21}{24} = \frac{28}{32}$
- 8) $\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12}$
- 9) $50 \div 10 = 5$; $5 \times 1 = 5$
- 10) $16 \div 4 = 4$; $4 \times 3 = 12$
- 11) $20 \div 2 = 10$; $10 \times 1 = 10$
- 12) $(30) \times (30) = (900)$
 $26 \times 33 = 858$
- 13) $(80) \times (80) = (6,400)$
 $75 \times 83 = 6,225$
- 14) $(60) \times (20) = (1,200)$
 $61 \times 17 = 1,037$
- 15) $16 \times 12 = 192$
- 16) $\frac{1}{2} + \frac{1}{5} = \frac{5}{10} + \frac{2}{10} = \frac{7}{10}$
- 17) $\frac{4}{9} + \frac{3}{6} = \frac{24}{54} + \frac{27}{54} = \frac{51}{54}$
- 18) $\frac{3}{4} - \frac{1}{8} = \frac{24}{32} - \frac{4}{32} = \frac{20}{32}$
- 19) 500
- 20) $7/10 \times 60 = 42$

Test 7

- 1) $\frac{7}{28} < \frac{12}{28}$
- 2) $\frac{6}{16} < \frac{8}{16}$
- 3) $\frac{36}{45} > \frac{10}{45}$
- 4) $\frac{18}{33} < \frac{22}{33}$
- 5) $\frac{35}{63} < \frac{54}{63}$
- 6) $\frac{24}{32} = \frac{24}{32}$
- 7) $\frac{9}{72} + \frac{32}{72} = \frac{41}{72}$
- 8) $\frac{10}{15} - \frac{3}{15} = \frac{7}{15}$
- 9) $\frac{24}{30} + \frac{5}{30} = \frac{29}{30}$
- 10) $\frac{2}{5} = \frac{4}{10} = \frac{6}{15} = \frac{8}{20}$
- 11) $9\frac{1}{2}$
- 12) $8\frac{3}{6}$
- 13) $7\frac{4}{5}$
- 14) $(40) \times (20) = (800)$
 $39 \times 24 = 936$
- 15) $(70) \times (20) = (1,400)$
 $72 \times 15 = 1,080$
- 16) $(70) \times (40) = (2,800)$
 $68 \times 43 = 2,924$
- 17) $5/8$ of 16 = 10
- 18) $\frac{10}{50} < \frac{15}{50}$ Douglas ate more
- 19) $1/5$ of 20 = 4 Christa
 $3/10$ of 20 = 6 Douglas
 $4 < 6$; yes
- 20) $\frac{8}{10} - \frac{2}{10} = \frac{6}{10}$ inch

Test 8

- 1) $\frac{7}{14} + \frac{6}{14} = \frac{13}{14}$
 $\frac{13}{14} + \frac{1}{3} = \frac{39}{42} + \frac{14}{42} = \frac{53}{42} = 1\frac{11}{42}$
- 2) $\frac{16}{24} + \frac{6}{24} = \frac{22}{24}$
 $\frac{22}{24} + \frac{2}{3} = \frac{66}{72} + \frac{48}{72} = \frac{114}{72} = 1\frac{42}{72}$
- 3) $\frac{6}{8} + \frac{3}{8} + \frac{4}{8} = \frac{13}{8} = 1\frac{5}{8}$
- 4) $\frac{18}{24} + \frac{4}{24} = \frac{22}{24}$
 $\frac{22}{24} + \frac{1}{5} = \frac{110}{120} + \frac{24}{120} = \frac{134}{120} = 1\frac{14}{120}$
- 5) $\frac{4}{16} + \frac{8}{16} = \frac{12}{16}$
 $\frac{12}{16} + \frac{2}{5} = \frac{60}{80} + \frac{32}{80} = \frac{92}{80} = 1\frac{12}{80}$
- 6) $\frac{3}{6} + \frac{4}{6} + \frac{5}{6} = \frac{12}{6} = 2$
- 7) $16/32 = 16/32$
- 8) $24/56 > 21/56$
- 9) $8/20 < 15/20$
- 10) $\frac{3}{9} = \frac{6}{18} = \frac{9}{27} = \frac{12}{36}$
- 11) $\frac{2}{3} = \frac{4}{6} = \frac{6}{9} = \frac{8}{12}$
- 12) $99 \frac{1}{3}$
- 13) $22 \frac{2}{7}$
- 14) $116 \frac{1}{4}$
- 15) $\frac{2}{8} + \frac{4}{8} + \frac{1}{8} = \frac{7}{8}$
- 16) $8/8 - 7/8 = 1/8$; $1/8$ of 32 = 4
- 17) $4 \times 65 = 260$
- 18) $\$217 \div 5 = \$43 \frac{2}{5}$
- 19) 60
- 20) 800