20A

1) done

2) done

3) $4\frac{1}{3}+\frac{1}{3}=4\frac{2}{3}$

$-3\frac{2}{3}+\frac{1}{3}=4$

$\frac{2}{3}$

4) $7\ +\frac{1}{4}=7\frac{1}{4}$

$-2\frac{3}{4}+\frac{1}{4}=3$

$4\frac{1}{4}$

5) $6\frac{1}{5}+\frac{3}{5}=6\frac{4}{5}$

$-3\frac{2}{5}+\frac{3}{5}=4$

$2\frac{4}{5}$

6) $8\ +\frac{3}{8}=8\frac{3}{8}$

$-1\frac{5}{8}+\frac{3}{8}=2$

$6\frac{3}{8}$

7) $9\frac{5}{16}+\frac{9}{16}=9\frac{14}{16}$

$-2\frac{7}{16}+\frac{9}{16}=3$

$6\frac{14}{16}=6\frac{7}{8}$

8) $10\ +\frac{1}{8}=10\frac{1}{8}$

$-4\frac{7}{8}+\frac{1}{8}=5$

$5\frac{1}{8}$

20B

1) $5\frac{2}{5}+\frac{1}{5}=5\frac{3}{5}$

$-1\frac{4}{5}+\frac{1}{5}=2$

$3\frac{3}{5}$

2) $9\ +\frac{1}{4}=9\frac{1}{4}$

$-2\frac{3}{4}+\frac{1}{4}=3$

$6\frac{1}{4}$

3) $10\frac{1}{8}+\frac{1}{8}=10\frac{2}{8}$

$-2\frac{7}{8}+\frac{1}{8}=3$

$7\frac{2}{8}=7\frac{1}{4}$

4) $7\ +\frac{2}{3}=7\frac{2}{3}$

$-6\frac{1}{3}+\frac{2}{3}=7$

$\frac{2}{3}$

5) $12\frac{1}{6}+\frac{4}{6}=12\frac{5}{6}$

$-8\frac{2}{6}+\frac{4}{6}=9$

$3\frac{5}{6}$

6) $25\ +\frac{2}{5}=25\frac{2}{5}$

$-5\frac{3}{5}+\frac{2}{5}=6$

$19\frac{2}{5}$

7) $8\frac{3}{10}+\frac{1}{10}=8\frac{4}{10}$

$-1\frac{9}{10}+\frac{1}{10}=2$

$6\frac{4}{10}=6\frac{2}{5}$

8) $4\ +\frac{3}{8}=4\frac{3}{8}$

$-3\frac{5}{8}+\frac{3}{8}=4$

$\frac{3}{8}$

20C

1) $6\frac{3}{6}+\frac{1}{6}=6\frac{4}{6}$

$-2\frac{5}{6}+\frac{1}{6}=3$

$3\frac{4}{6}=3\frac{2}{3}$

2) $14\ +\frac{1}{5}=14\frac{1}{5}$

$-5\frac{4}{5}+\frac{1}{5}=6$

$8\frac{1}{5}$

3) $16\frac{2}{9}+\frac{5}{9}=16\frac{7}{9}$

$-7\frac{4}{9}+\frac{5}{9}=8$

$8\frac{7}{9}$

4) $9\ +\frac{1}{4}=9\frac{1}{4}$

$-3\frac{3}{4}+\frac{1}{4}=4$

$5\frac{1}{4}$

5) $13\frac{3}{7}+\frac{1}{7}=13\frac{4}{7}$

$-8\frac{6}{7}+\frac{1}{7}=9$

$4\frac{4}{7}$

6) $30\ +\frac{3}{10}=30\frac{3}{10}$

$-11\frac{7}{10}+\frac{3}{10}=12$

$18\frac{3}{10}$

7) $6\frac{1}{4}+\frac{2}{4}=6\frac{3}{4}$

$-2\frac{2}{4}+\frac{2}{4}=3$

$3\frac{3}{4}$

8) $5\ +\frac{5}{8}=5\frac{5}{8}$

$-1\frac{3}{8}+\frac{5}{8}=2$

$3\frac{5}{8}$

20D

1) $5\frac{2}{7} + \frac{1}{7} = 5\frac{3}{7}$

$-3\frac{6}{7} + \frac{1}{7} = 4$

$1\frac{3}{7}$

2) $19 + \frac{1}{3} = 19\frac{1}{3}$

$-6\frac{2}{3} + \frac{1}{3} = 7$

$12\frac{1}{3}$

3) $2\frac{5}{8} + 1\frac{7}{8} = 3\frac{12}{8} = 4\frac{4}{8} = 4\frac{1}{2}$

4) $3\frac{7}{5} - 1\frac{4}{5} = 2\frac{3}{5}$

5) $3\frac{1}{2} + 5\frac{1}{2} = 8\frac{2}{2} = 9$

6) 5 x 5

7) 2 x 2 x 3 x 3

8) 2 x 2 x 11

9) $\frac{3}{7} = \frac{6}{14} = \frac{9}{21}$

10) $\frac{2}{3} = \frac{4}{6} = \frac{6}{9}$

11) $\frac{1}{9} = \frac{2}{18} = \frac{3}{27}$

12) done

13) done

14) 12 ÷ 2 = 6 qts.

15) 11 x 2 = 22 pts.

16) $19\frac{2}{2} - 5\frac{1}{2} = 14\frac{1}{2}$ lbs.

17) 7 x 2 = 14

18) 6 x 3 = 18 ft.

18 x 18 x 18 = 5,832 cu. ft.

20E

1) $7\frac{4}{9} + \frac{2}{9} = 7\frac{6}{9}$

$-3\frac{7}{9} + \frac{2}{9} = 4$

$3\frac{6}{9} = 3\frac{2}{3}$

2) $13 + \frac{7}{8} = 13\frac{7}{8}$

$-7\frac{1}{8} + \frac{7}{8} = 8$

$5\frac{7}{8}$

3) $2\frac{1}{5} + 4\frac{3}{5} = 6\frac{4}{5}$

4) $5\frac{9}{6} - 4\frac{5}{6} = 1\frac{4}{6} = 1\frac{2}{3}$

5) $5\frac{2}{3} + 5\frac{2}{3} = 10\frac{4}{3} = 11\frac{1}{3}$

6) 25: 5, 25

35: 5, 7, 35

GCF = 5

7) 12: 2, 3, 4, 6, 12

36: 2, 3, 4, 6, 9, 12, 18, 36

GCF = 12

8) 42: 2, 3, 6, 7, 14, 21, 42

49: 7, 49

GCF = 7

9) $\frac{6}{12} - \frac{2}{12} = \frac{4}{12} = \frac{1}{3}$

10) $\frac{35}{50} - \frac{20}{50} = \frac{15}{50} = \frac{3}{10}$

11) $\frac{99}{108} - \frac{60}{108} = \frac{39}{108} = \frac{13}{36}$

12) 11 x 2 = 22 pts.

13) 18 ÷ 2 = 9 qts.

14) 22 ÷ 2 = 11 qts.

15) $2\frac{5}{8} + 3\frac{7}{8} = 5\frac{12}{8} = 6\frac{4}{8} = 6\frac{1}{2}$

16) no

17) 16 ÷ 2 = 8 qts.

18) $8\frac{1}{2}$ in.

19) \$25 + \$43 = \$68

1/4 x \$68 = \$17

20) 7 x 7 = 49

20F

1) $9\frac{1}{6} + \frac{1}{6} = 9\frac{2}{6}$

$-4\frac{5}{6} + \frac{1}{6} = 5$

$4\frac{2}{6} = 4\frac{1}{3}$

2) $18 + \frac{1}{2} = 18\frac{1}{2}$

$-12\frac{1}{2} + \frac{1}{2} = 13$

$5\frac{1}{2}$

3) $3\frac{3}{8} + 5\frac{5}{8} = 8\frac{8}{8} = 9$

4) $8\frac{1}{3} - 6\frac{1}{3} = 2$

5) $7\frac{5}{9} + 7\frac{8}{9} = 14\frac{13}{9} = 15\frac{4}{9}$

6) 192 ÷ 3 = 64; 64 x 2 = 128

7) 555 ÷ 5 = 111; 111 x 1 = 111

8) 84 ÷ 4 = 21; 21 x 3 = 63

9) $\frac{6}{8} + \frac{4}{8} = \frac{10}{8} = \frac{5}{4} = 1\frac{1}{4}$

10) $\frac{40}{110} + \frac{33}{110} = \frac{73}{110}$

11) $\frac{15}{27} + \frac{9}{27} = \frac{24}{27} = \frac{8}{9}$

12) 12 x 2 = 24 pts.

13) 28 ÷ 2 = 14 qts.

14) 15 x 3 = 45 ft.

15) $4\frac{2}{10} - 1\frac{9}{10} = 3\frac{12}{10} - 1\frac{9}{10} = 2\frac{3}{10}$ in.

16) yes

17) 4 + 6 = 10 qts. of juice
10 ÷ 5 = 2 qts. per person
2 x 2 = 4 pts. per person

18) 11 in.

19) $1\frac{1}{2} + 1\frac{1}{2} + 1\frac{1}{2} + 1\frac{1}{2} = 4\frac{4}{2} = 6$ ft.

20) $\frac{1}{8} \div \frac{1}{4} = \frac{4}{32} \div \frac{8}{32} = \frac{4 \div 8}{1} = \frac{4}{8} = \frac{1}{2}$ mi.