17A

1) done
2) (3) + (3) = (6); $5\frac{5}{6}$
3) (7) + (9) = (16); $16\frac{4}{5}$
4) (2) + (2) = (4); $3\frac{8}{9}$
5) (4) + (9) = (13); $12\frac{6}{7}$
6) (7) + (7) = (14); $13\frac{3}{4}$
7) done
8) (7) - (3) = (4); $3\frac{3}{8}$
9) (11) - (10) = (1); $1\frac{1}{5}$
10) (9) - (5) = (4); $4\frac{2}{9}$
11) (6) - (4) = (2); $2\frac{1}{4}$
12) (4) - (3) = (1); $1\frac{1}{6}$

17B

1) (10) + (9) = (19); $18\frac{5}{6}$
2) (8) + (4) = (12); $11\frac{7}{8}$
3) (7) + (4) = (11); $11\frac{2}{3}$
4) (6) + (4) = (10); $9\frac{3}{4}$
5) (2) + (5) = (7); $6\frac{4}{5}$
6) (10) + (4) = (14); $13\frac{6}{7}$
7) (3) - (1) = (2); $1\frac{2}{5}$
8) (9) - (6) = (3); $2\frac{3}{8}$
9) (6) - (4) = (2); $1\frac{1}{5}$
10) (5) - (3) = (2); $1\frac{4}{7}$
11) (10) - (8) = (2); $2\frac{1}{6}$
12) (17) - (8) = (9); $8\frac{4}{9}$
13) $2\frac{1}{3}+1\frac{1}{3}=3\frac{2}{3}$
14) $4\frac{3}{5}-3\frac{1}{5}=1\frac{2}{5}$ lbs.

17C

1) (5) + (8) = (13); $12\frac{7}{8}$
2) (4) + (4) = (8); $7\frac{8}{9}$
3) (8) + (6) = (14); $13\frac{3}{4}$
4) (2) + (6) = (8); $8\frac{7}{10}$
5) (9) + (1) = (10); $10\frac{3}{5}$
6) (6) + (3) = (9); $9\frac{4}{9}$
7) (13) - (4) = (9); $8\frac{2}{7}$
8) (8) - (5) = (3); $3\frac{1}{8}$
9) (15) - (9) = (6); $5\frac{2}{5}$
10) (2) - (1) = (1); $1\frac{2}{11}$
11) (8) - (3) = (5); $4\frac{1}{3}$
12) (16) - (9) = (7); $6\frac{5}{8}$
13) $4\frac{7}{10}-1\frac{4}{10}=3\frac{3}{10}$
14) $1\frac{1}{8}+1\frac{2}{8}=2\frac{3}{8}$ mi.

17D

1) $5\frac{4}{7}$
2) $3\frac{1}{4}$
3) $9\frac{4}{5}$
4) $\frac{19}{5}$
   (As you may have discovered, a shortcut is to think, "5 x 3 = 15 and 15 + 4 = 19, so 19/15")
5) $\frac{33}{8}$
6) $\frac{35}{6}$
7) $2\frac{1}{9}$
   Remember that a fraction is also a division problem. Dividing and writing the answer with a fractional remainder produces a mixed number.
8) $4\frac{4}{5}$
9) $1\frac{7}{8}$
10) done
11) 20 x 20 x 20 = 8,000 cu. ft.
12) 12 x 12 x 12 = 1,728 cu. ft.
13) 10 x 10 x 10 = 1,000 cu. ft.
14) $7\frac{2}{3}-3\frac{1}{3}=4\frac{1}{3}$ mi.
15) 2 x 3 x 5 x 5
16) 4 x 4 = 16
17) 9 x 10 = 90 sq. ft.
    90 < 100; yes
18) 1/6 x 18 = 3

17E

1) $1\frac{2}{5}$
2) $10\frac{8}{9}$
3) $3\frac{1}{6}$
4) $\frac{5}{2}$
5) $\frac{26}{4}$
6) $\frac{43}{8}$
7) $5\frac{1}{10}$
8) $6\frac{1}{9}$
9) $3\frac{1}{5}$
10) $1\frac{1}{4}$
11) 4 x 4 x 4 = 64 cu. in.
12) 15 x 15 x 15 = 3,375 cu. ft.
13) 30 x 30 x 30 = 27,000 cu. ft.
14) 1 x 1 x 1 = 1 cu. ft.
15) 25: 5, 25
    30: 2, 3, 5, 6, 10, 15, 30
    GCF = 5
16) $4\frac{1}{4}+3\frac{2}{4}=7\frac{3}{4}$ tons
17) $\frac{1}{3}+\frac{2}{3}=\frac{3}{3}=1$
    $1+\frac{3}{5}=1\frac{3}{5}$ yds.
18) $\frac{4}{5}\times\frac{1}{2}=\frac{4}{10}=\frac{2}{5}$