11A

1) done
2) done
3) .30
4) .85
5) .10
6) .09
7) done
8) $\frac{5}{100} = \frac{1}{20}$
9) $\frac{75}{100} = \frac{3}{4}$
10) 1.00 = 100%
11) .50 = 50%
12) .25 = 25%
13) .75 = 75%
14) .20 = 20%
15) $3.00 x .06 = $.18
16) $7.60 x .15 = $1.14
17) $7.60 x .50 = $3.80
18) $3.80 x .05 = $.19
$3.80 + $.19 = $3.99

11B

1) .38
2) .01
3) .95
4) .71
5) .15
6) .03
7) $\frac{10}{100} = \frac{1}{10}$
8) $\frac{23}{100}$
9) $\frac{60}{100} = \frac{3}{5}$
10) .25; 25%
11) .75; 75%
12) .20; 20%
13) 1.00; 100%
14) .50; 50%
15) .05 x $7.00 = $.35
16) $10.50 x .16 = $1.68
17) $12.50 x .20 = $2.50
$12.50 - $2.50 = $10.00
$10.00 x .09 = $.90
$10.00 + $.90 = $10.90
18) $\frac{1}{4} \times 80 = 20$

11C

1) .47
2) .05
3) .69
4) .18
5) .32
6) .02
7) $\frac{15}{100} = \frac{3}{20}$
8) $\frac{17}{100}$
9) $\frac{50}{100} = \frac{1}{2}$
10) .50; 50%
11) .20; 20%
12) .75; 75%
13) .25; 25%
14) 1.00; 100%
15) done
16) $45 x .30 = $13.50 off
$45.00 - $13.50 = $31.50
$31.50 x .08 = $2.52 tax
$31.50 + $2.52 = $34.02
17) $18.50 + $9.50 = $28.00
$28.00 x .20 = $5.60
$28.00 + $5.60 = $33.60
18) $\frac{1}{2} \times 20 = 10$

11D

1) done
2) $.88 = \frac{88}{100} = \frac{22}{25}$
3) $1.00 = \frac{100}{100} = 1$
4) $.25 = \frac{25}{100} = \frac{1}{4}$
5) 50,000
6) 1,200
7) 200 ÷ 2 = 100
8) 84 ÷ 4 = 21
21 x 3 = 63
9) 99 ÷ 3 = 33
10) 64
11) 1
12) 1,000
13) done
14) $\frac{\overset{9}{\cancel{45}}}{8} \times \frac{7}{\cancel{5}} = \frac{63}{8} = 7\frac{7}{8}$
15) 50 x .96 = 48 right
50 - 48 = 2 wrong
16) $120 ÷ 4 = $30 off
$120 - $30 = $90
$90 x .05 = $4.50 tax
$90 + $4.50 = $94.50
17) 1,000 pieces; 1 yard
18) $\frac{\overset{4}{\cancel{8}}}{\cancel{3}} \times \frac{\overset{3}{\cancel{9}}}{\cancel{2}} = \frac{12}{1} = 12$

11E

1) $.30 = \frac{30}{100} = \frac{3}{10}$
2) $.72 = \frac{72}{100} = \frac{18}{25}$
3) $.50 = \frac{50}{100} = \frac{1}{2}$
4) $.20 = \frac{20}{100} = \frac{1}{5}$
5) 50
6) 18,000
7) 120 ÷ 3 = 40
8) 72 ÷ 9 = 8
8 x 2 = 16
9) 600 ÷ 6 = 100
100 x 5 = 500
10) 2.448
11) .36
12) .31
13) 1.26
14) $\frac{\overset{6}{\cancel{30}}}{7} \times \frac{16}{\cancel{5}} = \frac{96}{7} = 13\frac{5}{7}$
15) $\frac{46}{5} \times \frac{29}{5} = \frac{1{,}334}{25} = 53\frac{9}{25}$
16) 20 x .45 = 9
17) $85 x .08 = $6.80 shipping
$6.80 + $85 = $91.80 total
$91.80 - $57 = $34.80 needed
18) 100
19) $9.95 x 5 = $49.75
20) .52 + .75 = 1.27 lbs. used
1.27 x .5 = .635 lbs. next time

11F

1) $.55 = \frac{55}{100} = \frac{11}{20}$

2) $.40 = \frac{40}{100} = \frac{2}{5}$

3) $.75 = \frac{75}{100} = \frac{3}{4}$

4) $.24 = \frac{24}{100} = \frac{6}{25}$

5) 2,200

6) 100

7) $6\frac{18}{27} + 1\frac{21}{27} = 7\frac{39}{27} = 8\frac{12}{27} = 8\frac{4}{9}$

8) $7\frac{15}{50} + 9\frac{40}{50} = 16\frac{55}{50} = 17\frac{5}{50} = 17\frac{1}{10}$

9) $3\frac{6}{21} - 1\frac{14}{21} = 2\frac{27}{21} - 1\frac{14}{21} = 1\frac{13}{21}$

10) .8547

11) 4.32

12) 1.77

13) 3.33

14) $\frac{\cancel{5}}{3} \times \frac{23}{\cancel{5}} = \frac{23}{3} = 7\frac{2}{3}$

15) $\frac{\overset{19}{\cancel{38}}}{5} \times \frac{3}{\cancel{2}} = \frac{57}{5} = 11\frac{2}{5}$

16) 20 x .85 = 17

17) $1.99 x .15 = $.2985 off
rounded $.30 off
$1.99 - $.30 = $1.69
$1.69 x 3 = $5.07

18) 40 x .6 = 24

19) 8 x 1.06 = 8.48 quarts

20) $\frac{\overset{4}{\cancel{20}}}{\cancel{8}} \times \frac{\cancel{3}}{\cancel{5}} = \frac{4}{1} = 4$ bales spoiled

12A

1) done

2) $\frac{900}{100} = 900\%$

3) $\frac{500}{100} = 500\%$

4) done

5) 25%

6) $\frac{75}{100} = 75\%$

7) 20%

8) 40%

9) $\frac{3}{5} = \frac{60}{100} = 60\%$

10) done

11) $\frac{250}{100} = 250\%$

12) $\frac{300}{100} + \frac{75}{100} = \frac{375}{100} = 375\%$

13) $\frac{500}{100} + \frac{20}{100} = \frac{520}{100} = 520\%$

14) done

15) 2.50

16) 5.20

17) 1.21 x $18.90 = $22.869
(rounds to $22.87)

18) 4 x $.45 = $1.80

12B

1) 800%

2) $\frac{600}{100} = 600\%$

3) $\frac{200}{100} = 200\%$

4) 40%

5) 25%

6) $\frac{80}{100} = 80\%$

7) 10%

8) 90%

9) $\frac{25}{100} = 25\%$

10) $\frac{310}{100} = 310\%$

11) $\frac{675}{100} = 675\%$

12) $\frac{500}{100} + \frac{50}{100} = \frac{550}{100} = 550\%$

13) $\frac{200}{100} + \frac{60}{100} = \frac{260}{100} = 260\%$

14) 3.10

15) 6.75

16) 1.00

17) $30 x 1.25 = $37.50

18) $32.95 x 1.05 = $34.5975
(rounds to $34.60)

12C

1) 300%

2) $\frac{700}{100} = 700\%$

3) $\frac{100}{100} = 100\%$

4) 50%

5) $\frac{75}{100} = 75\%$

6) $\frac{60}{100} = 60\%$

7) 50%

8) 4%

9) $\frac{2}{100} = 2\%$

10) $\frac{725}{100} = 725\%$

11) $\frac{420}{100} = 420\%$

12) $\frac{100}{100} + \frac{75}{100} = \frac{175}{100} = 175\%$

13) $\frac{300}{100} + \frac{50}{100} = \frac{350}{100} = 350\%$

14) 7.25

15) 4.20

16) 8.50

17) $55.2 x 1.20 = $66.24

18) 20 x 1.00 = 20