Test 21

1) $9\frac{4}{12}+6\frac{9}{12}=15\frac{7}{12}$

2) $4\frac{10}{15}+1\frac{9}{15}=5\frac{19}{15}=6\frac{4}{15}$

3) $9\frac{30}{50}+2\frac{35}{50}=11\frac{65}{50}=12\frac{15}{50}=12\frac{3}{10}$

4) $12\frac{40}{88}+4\frac{55}{88}=16\frac{95}{88}=17\frac{7}{88}$

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

6) $15\frac{7}{9}-6\frac{2}{9}=9\frac{5}{9}$

7) $6\frac{5}{5}-3\frac{1}{5}=3\frac{4}{5}$

8) $\frac{4}{8}\div\frac{2}{8}=\frac{4\div2}{1}=2$

9) $\frac{24}{36}\div\frac{12}{36}=\frac{24\div12}{1}=2$

10) $\frac{30}{50}\div\frac{5}{50}=\frac{30\div5}{1}=6$

11) $\frac{4}{6}\times\frac{3}{5}=\frac{12}{30}=\frac{2}{5}$

12) $\frac{1}{2}\times\frac{1}{3}=\frac{1}{6}$

13) $\frac{3}{4}\times\frac{1}{6}=\frac{3}{24}=\frac{1}{8}$

14) $81\div3=27$ yds.

15) $54\div2=27$ qts.

16) $18\times2=36$ pts.

17) $92\div3=30\frac{2}{3}$ yds.

18) $20\frac{4}{8}+2\frac{6}{8}=22\frac{10}{8}=23\frac{2}{8}=23\frac{1}{4}$ mi.

19) $A=\frac{2}{3}\times\frac{2}{3}=\frac{4}{9}$ sq. ft.

$P=\frac{2}{3}+\frac{2}{3}+\frac{2}{3}+\frac{2}{3}=\frac{8}{3}=2\frac{2}{3}$ ft.

20) 5

Test 22

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

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

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

4) $16\frac{15}{50}-5\frac{20}{50}=15\frac{65}{50}-5\frac{20}{50}=$
$10\frac{45}{50}=10\frac{9}{10}$

5) $1\frac{3}{6}+3\frac{4}{6}=4\frac{7}{6}=5\frac{1}{6}$

6) $4\frac{10}{15}+3\frac{12}{15}=7\frac{22}{15}=8\frac{7}{15}$

7) $6\frac{24}{32}+9\frac{28}{32}=15\frac{52}{32}=15\frac{13}{8}=16\frac{5}{8}$

8) $\frac{20}{64}\div\frac{48}{64}=\frac{20\div48}{1}=\frac{20}{48}=\frac{5}{12}$

9) $\frac{1}{2}\times\frac{2}{3}=\frac{2}{6}=\frac{1}{3}$

10) $\frac{84}{96}\div\frac{40}{96}=\frac{84\div40}{1}=\frac{84}{40}=\frac{21}{10}=2\frac{1}{10}$

11) $\frac{77}{8}$

12) $\frac{77}{3}$

13) $\frac{43}{4}$

14) $14\div4=3\frac{1}{2}$ gal.

15) $8\times4=32$ qts.

16) $20\div2=10$ qts.

17) $672\div16=42$ yds.

18) $16\times3=48$ ft.

19) 14: 2, 7, 14
56: 2, 4, 7, 8, 14, 28, 56
GCF = 14

20) 60

Test 23

1) $\frac{3}{4}\div\frac{1}{2}=\frac{3}{4}\times\frac{2}{1}=\frac{6}{4}=1\frac{2}{4}=1\frac{1}{2}$

2) $\frac{6}{8}\div\frac{4}{8}=\frac{6\div4}{1}=\frac{6}{4}=1\frac{2}{4}=1\frac{1}{2}$

3) $\frac{4}{5}\div\frac{2}{3}=\frac{4}{5}\times\frac{3}{2}=\frac{12}{10}=1\frac{2}{10}=1\frac{1}{5}$

4) $\frac{12}{15}\div\frac{10}{15}=\frac{12\div10}{1}=\frac{12}{10}=1\frac{2}{10}=1\frac{1}{5}$

5) $\frac{5}{3}\div\frac{5}{11}=\frac{5}{3}\times\frac{11}{5}=\frac{55}{15}=3\frac{10}{15}=3\frac{2}{3}$

6) $\frac{15}{8}\div\frac{1}{8}=\frac{15}{8}\times\frac{8}{1}=\frac{120}{8}=15$

7) $\frac{11}{4}\div\frac{1}{2}=\frac{11}{4}\times\frac{2}{1}=\frac{22}{4}=5\frac{2}{4}=5\frac{1}{2}$

8) $\frac{31}{5}\div\frac{27}{8}=\frac{31}{5}\times\frac{8}{27}=\frac{248}{135}=1\frac{113}{135}$

9) $20\frac{4}{20}-10\frac{15}{20}=19\frac{24}{20}-10\frac{15}{20}=9\frac{9}{20}$

10) $9\frac{3}{24}-4\frac{8}{24}=8\frac{27}{24}-4\frac{8}{24}=4\frac{19}{24}$

11) $5\frac{12}{28}+5\frac{7}{28}=10\frac{19}{28}$

12) $17\div16=\frac{17}{16}=1\frac{1}{16}$ lbs.

13) $28\div2=14$ qts.

14) $10\times3=30$ ft.

15) $5\times16=80$ oz.

16) $9\times2=18$ pts.

17) $19\div4=\frac{19}{4}=4\frac{3}{4}$ gal.

18) $\frac{25}{8}\div\frac{5}{8}=\frac{25\div5}{1}=5$

19) $4\times2\times1=8$ cu. ft.

20) 7