

Test 17

- 1) $8\frac{7}{10}$
- 2) $1\frac{2}{5}$
- 3) $6\frac{6}{7}$
- 4) $\frac{13}{2}$
- 5) $\frac{17}{3}$
- 6) $\frac{19}{10}$
- 7) $5\frac{1}{4}$
- 8) $2\frac{1}{5}$
- 9) $1\frac{7}{8}$
- 10) $\frac{5}{6} \times \frac{1}{3} = \frac{5}{18}$
- 11) $\frac{1}{10} + \frac{3}{10} = \frac{1+3}{1} = \frac{1}{3}$
- 12) $\frac{8}{9} \times \frac{5}{6} = \frac{40}{54} = \frac{20}{27}$
- 13) $5 \times 5 \times 5 = 125$ cu. in.
- 14) $8 \times 8 \times 8 = 512$ cu. ft.
- 15) $13 \times 13 \times 13 = 2,197$ cu. ft.
- 16) $17 \times 17 \times 17 = 4,913$ cu. ft.
- 17) 5×19
- 18) $4\frac{3}{10} + 2\frac{6}{10} = 6\frac{9}{10}$ lbs.
- 19) $\frac{3}{4} \times \frac{3}{4} = \frac{9}{16}$ sq. mi.
- 20) $5/8$ of 120
 $120 \div 8 = 15; 15 \times 5 = 75$

Test 18

- 1) $13\frac{9}{7} = 14\frac{2}{7}$
- 2) $18\frac{12}{9} = 19\frac{3}{9} = 19\frac{1}{3}$
- 3) $24\frac{12}{12} = 25$
- 4) $12\frac{7}{5} = 13\frac{2}{5}$
- 5) $17\frac{4}{3} = 18\frac{1}{3}$
- 6) $13\frac{10}{8} = 14\frac{2}{8} = 14\frac{1}{4}$
- 7) $\frac{15}{20} - \frac{4}{20} = \frac{11}{20}$
- 8) $\frac{5}{50} + \frac{10}{50} = \frac{15}{50} = \frac{3}{10}$
- 9) $\frac{14}{18} - \frac{9}{18} = \frac{5}{18}$
- 10) $\frac{3}{10} + \frac{1}{10} = \frac{3+1}{1} = 3$
- 11) $\frac{5}{6} \times \frac{1}{3} = \frac{5}{18}$
- 12) $\frac{9}{12} + \frac{4}{12} = \frac{9+4}{1} = \frac{9}{4} = 2\frac{1}{4}$
- 13) $64 \div 8 = 8; 8 \times 3 = 24$
- 14) $42 \div 6 = 7; 7 \times 1 = 7$
- 15) $80 \div 10 = 8; 8 \times 7 = 56$
- 16) $8 \times 5 \times 2 = 80$ cu. ft.
- 17) $80 \times 56 = 4,480$ lbs.
- 18) 42: 2, 3, 6, 7, 14, 21, 42
56: 2, 4, 7, 8, 14, 28, 56
GCF = 14
- 19) $2 \times 3 \times 3$
- 20) $2\frac{4}{5} + 1\frac{3}{5} = 3\frac{7}{5} = 4\frac{2}{5}$ mi.

Test 19

- 1) $1\frac{9}{8} - 1\frac{5}{8} = \frac{4}{8} = \frac{1}{2}$
- 2) $4\frac{9}{7} - \frac{3}{7} = 4\frac{6}{7}$
- 3) $2\frac{4}{4} - 2\frac{1}{4} = \frac{3}{4}$
- 4) $4\frac{9}{8} = 5\frac{1}{8}$
- 5) $11\frac{7}{5} = 12\frac{2}{5}$
- 6) $17\frac{6}{6} = 18$
- 7) $\frac{12}{15} + \frac{10}{15} = \frac{12+10}{1} = \frac{22}{15}$
 $\frac{12}{10} = 1\frac{2}{10} = 1\frac{1}{5}$
- 8) $\frac{2}{11} \times \frac{1}{5} = \frac{2}{55}$
- 9) $\frac{3}{6} + \frac{4}{6} + \frac{5}{6} = \frac{12}{6} = 2$
- 10) $\frac{5}{20} < \frac{8}{20}$
- 11) $\frac{24}{56} > \frac{7}{56}$
- 12) $\frac{50}{120} > \frac{48}{120}$
- 13) $99 \div 3 = 33$ yds.
- 14) $26 \times 3 = 78$ ft.
- 15) $9 \times 3 = 27$ ft.
- 16) $\frac{2}{3} \times \frac{1}{3} = \frac{2}{9}$ sq. mi.
- 17) $\frac{2}{3} + \frac{2}{3} + \frac{1}{3} + \frac{1}{3} = \frac{6}{3} = 2$ mi.
- 18) $9\frac{5}{8} + 6\frac{4}{8} = 15\frac{9}{8} = 16\frac{1}{8}$
- 19) $14\frac{9}{8} - 11\frac{3}{8} = 3\frac{6}{8} = 3\frac{3}{4}$ yds.
- 20) $6 \div 3 = 2$ yds.

Test 20

- 1) $8\frac{5}{8} + \frac{1}{8} = 8\frac{6}{8}$
 $3\frac{7}{8} + \frac{1}{8} = 4$
 $\frac{4\frac{6}{8} = 4\frac{3}{4}}$
- 2) $14 + \frac{2}{3} = 14\frac{2}{3}$
 $10\frac{1}{3} + \frac{2}{3} = 11$
 $\frac{3\frac{2}{3}}$
- 3) $2\frac{3}{4} + 3\frac{3}{4} = 5\frac{6}{4} = 6\frac{2}{4} = 6\frac{1}{2}$
- 4) $6\frac{4}{3} - 3\frac{2}{3} = 3\frac{2}{3}$
- 5) $4\frac{3}{5} + 1\frac{4}{5} = 5\frac{7}{5} = 6\frac{2}{5}$
- 6) $\frac{8}{12} + \frac{9}{12} = \frac{17}{12} = 1\frac{5}{12}$
- 7) $\frac{18}{24} + \frac{20}{24} = \frac{38}{24} = \frac{19}{12} = 1\frac{7}{12}$
- 8) $\frac{7}{14} + \frac{8}{14} = \frac{15}{14} = 1\frac{1}{14}$
- 9) $\frac{21}{24} - \frac{8}{24} = \frac{13}{24}$
- 10) $\frac{50}{120} - \frac{24}{120} = \frac{26}{120} = \frac{13}{60}$
- 11) $\frac{7}{42} - \frac{6}{42} = \frac{1}{42}$
- 12) $32 \times 2 = 64$ pts.
- 13) $34 \div 2 = 17$ qts.
- 14) $7 \times 3 = 21$ ft.
- 15) $9\frac{3}{4} + 6\frac{3}{4} = 15\frac{6}{4} = 16\frac{2}{4} = 16\frac{1}{2}$ tons
- 16) $4\frac{2}{5} - 1\frac{4}{5} = 3\frac{7}{5} - 1\frac{4}{5} = 2\frac{3}{5}$ gal.
- 17) no
- 18) $9 \div 3 = 3; 3 \times 3 \times 3 = 27$ cu. yds.
- 19) $2\frac{1}{4} + 2\frac{1}{4} + 2\frac{1}{4} + 2\frac{1}{4} = 8\frac{4}{4} = 9$ ft.
- 20) $15 \times 15 = 225$