

## Unit Test I

- 1)  $12 \div 3 = 4; 4 \times 2 = 8$
- 2)  $10 \div 5 = 2; 2 \times 3 = 6$
- 3)  $24 \div 4 = 6; 6 \times 3 = 18$
- 4)  $15 \div 3 = 5; 5 \times 1 = 5$
- 5)  $25 \div 5 = 5; 5 \times 4 = 20$
- 6)  $14 \div 7 = 2; 2 \times 5 = 10$
- 7)  $\frac{2}{6} = \frac{4}{12} = \frac{6}{18} = \frac{8}{24}$
- 8)  $\frac{5}{8} = \frac{10}{16} = \frac{15}{24} = \frac{20}{32}$
- 9)  $\frac{2}{3}$
- 10)  $\frac{6}{24} + \frac{12}{24} = \frac{18}{24}$
- 11)  $\frac{6}{30} + \frac{25}{30} = \frac{31}{30} = 1\frac{1}{30}$   
(final step optional)
- 12)  $\frac{10}{15} - \frac{3}{15} = \frac{7}{15}$
- 13)  $\frac{4}{10}$
- 14)  $\frac{32}{56} - \frac{21}{56} = \frac{11}{56}$
- 15)  $\frac{21}{35} < \frac{25}{35}$
- 16)  $\frac{24}{48} = \frac{24}{48}$
- 17)  $\frac{16}{24} > \frac{12}{24}$
- 18)  $\frac{30}{80} + \frac{8}{80} = \frac{38}{80}$   
 $\frac{38}{80} + \frac{2}{5} = \frac{190}{400} + \frac{160}{400} = \frac{350}{400}$

- 19)  $\frac{6}{8} + \frac{7}{8} + \frac{4}{8} = \frac{17}{8} = 2\frac{1}{8}$   
final step optional
- 20)  $16 + 17 + 28 = 61'$
- 21)  $46 + 23 + 46 + 23 = 138$  yds
- 22)  $52 + 52 + 52 + 52 = 208''$
- 23) 90
- 24) 50
- 25) 600
- 26) 500
- 27)  $71\frac{3}{5}$
- 28)  $67\frac{5}{8}$
- 29)  $31\frac{3}{6}$
- 30) 1,206
- 31) 884
- 32) 4,928
- 33)  $\frac{2}{5} + \frac{1}{3} = \frac{6}{15} + \frac{5}{15} = \frac{11}{15}$
- 34)  $\frac{15}{18} > \frac{12}{18}$  so  $\frac{5}{6} > \frac{2}{3}$   
Drumore received more.  
 $\frac{15}{18} - \frac{12}{18} = \frac{3}{18}$  ft.
- 35)  $10 + 11 + 10 + 11 = 42'$   
 $\frac{1}{7}$  of  $42 = 6'$

## Test 9

- 1)  $\frac{1}{12}$
- 2)  $\frac{6}{20}$
- 3)  $\frac{2}{28}$
- 4)  $\frac{6}{35}$
- 5)  $\frac{3}{30}$
- 6)  $\frac{2}{12}$
- 7)  $\frac{12}{44} + \frac{11}{44} = \frac{23}{44}$
- 8)  $\frac{24}{30} - \frac{5}{30} = \frac{19}{30}$
- 9)  $\frac{3}{21} + \frac{14}{21} = \frac{17}{21}$   
 $\frac{17}{21} + \frac{1}{2} = \frac{34}{42} + \frac{21}{42} = \frac{55}{42}$  or  $1\frac{13}{42}$
- 10)  $\frac{16}{24} > \frac{15}{24}$
- 11)  $\frac{36}{48} = \frac{36}{48}$
- 12)  $\frac{45}{54} > \frac{42}{54}$
- 13)  $(600) \times (50) = (30,000)$   
 $612 \times 54 = 33,048$
- 14)  $(100) \times (40) = (4,000)$   
 $124 \times 36 = 4,464$
- 15)  $(1000) \times (10) = (10,000)$   
 $957 \times 13 = 12,441$
- 16)  $\frac{1}{3} + \frac{2}{5} = \frac{5}{15} + \frac{6}{15} = \frac{11}{15}$
- 17)  $10 + 12 + 12 = 34$  ft.
- 18)  $\frac{3}{8} \times \frac{1}{2} = \frac{3}{16}$
- 19)  $\frac{3}{8}$  of 48:  
 $48 \div 8 = 6; 6 \times 3 = 18$  had burgers  
 $\frac{3}{16}$  of 48:  
 $48 \div 16 = 3; 3 \times 3 = 9$  had mustard
- 20)  $48 \times \$15 = \$720$

## Test 10

- 1)  $\frac{2}{5} + \frac{1}{5} = \frac{2+1}{5} = 2$
- 2)  $\frac{15}{24} + \frac{16}{24} = \frac{15+16}{24} = \frac{15}{16}$
- 3)  $\frac{4}{8} + \frac{2}{8} = \frac{4+2}{8} = 2$
- 4)  $\frac{3}{12} + \frac{4}{12} = \frac{3+4}{12} = \frac{3}{4}$
- 5)  $\frac{27}{45} + \frac{10}{45} = \frac{27+10}{45} = \frac{27}{10}$  or  $2\frac{7}{10}$
- 6)  $\frac{12}{15} + \frac{10}{15} = \frac{12+10}{15} = \frac{12}{10}$  or  $1\frac{2}{10}$
- 7)  $\frac{3}{4} \times \frac{1}{4} = \frac{3}{16}$
- 8)  $\frac{2}{3} \times \frac{1}{5} = \frac{2}{15}$
- 9)  $\frac{2}{9} \times \frac{1}{2} = \frac{2}{18}$
- 10)  $\frac{32}{56} + \frac{21}{56} = \frac{53}{56}$
- 11)  $\frac{20}{36} - \frac{9}{36} = \frac{11}{36}$
- 12)  $\frac{4}{10} + \frac{3}{10} + \frac{5}{10} = \frac{12}{10}$  or  $1\frac{2}{10}$
- 13)  $(500) \div (40) \approx (10)$
- 14)  $(900) \div (30) = (30)$
- 15)  $(600) \div (60) = (10)$
- 16)  $\frac{1}{2} + \frac{1}{12} = \frac{12}{24} + \frac{2}{24} = \frac{12+2}{24} = 6$
- 17)  $\frac{7}{8} + \frac{1}{8} = \frac{7+1}{8} = 7$
- 18)  $\frac{3}{10} + \frac{1}{10} = \frac{4}{10}$   
 $\frac{4}{10} + \frac{3}{5} = \frac{20}{50} + \frac{30}{50} = \frac{50}{50} = 1$  mi.
- 19)  $\frac{7}{8} - \frac{2}{8} = \frac{5}{8}$  (or  $20/32$ )
- 20)  $365 \times 24 = 8,760$