

# Decimal to Percent (Review Topic 2 continued)

Page 8

a) 0.41  $0.41 \times 100 = 41$  **41%**

0.21  $.21 \times 100$  **21%**    0.51  $.51 \times 100 =$  **51%**     $.25 \times 100$  **25%**

b) 0.4  $.4 \times 100 = 40$  **40%**    2.01  $2.01 \times 100$  **201%**     $3.75 \cdot 100 =$  **375%**     $0.08 \cdot 100$  **8%**

c) 3.05  $3.05 \times 100 =$  **305%**    0.25  $.25 \times 100 =$  **25%**    7.8  $7.8 \times 100 =$  **780%**    0.35 **35%**

d) 0.3 = **30%**    4.1 = **410%**    8.005  $8.005 \times 100 =$  **800.5%**    0.72 **72%**

e) 0.92 = **92%**    2.025  $2.025 \times 100 =$  **202.5%**    0.375 = **37.5%**    0.234 = **23.4%**

## Fraction to Percent

f)  $\frac{2}{3}$   $\frac{2}{3} \times 100 = \frac{2}{3} \times \frac{100}{1} = \frac{200}{3} =$  **66 $\frac{2}{3}$ %**     $\frac{4}{8}$   $\frac{4}{8} \times 100 = \frac{33}{8} \times \frac{100}{1} = \frac{825}{2} =$  **412 $\frac{1}{2}$ %**

$\frac{5}{4}$   $\frac{5}{4} \times \frac{100}{1} =$  **125%**     $\frac{4}{5}$   $\frac{4}{5} \times \frac{100}{1} =$  **80%**

Another way

g)  $\frac{3}{4} = .75 =$  **75%**     $\frac{1}{2} = 0.5 =$  **50%**     $\frac{3}{8}$   $8 \overline{) 3.00} = 3.75 =$  **375%**

$\frac{6}{7}$   $7 \overline{) 6.00}$  For % only do 2 places. put remainder over divisor  
 $\frac{6}{7} = .857$  **85 $\frac{5}{7}$ %**

h)  $\frac{1}{3}$   $3 \overline{) 1.00} = 33\frac{1}{3}$  **33 $\frac{1}{3}$ %**     $\frac{2}{5}$   $5 \overline{) 2.00} = 40$  **40%**     $2\frac{3}{10} = 2.3 =$  **230%**     $\frac{3}{25} \cdot \frac{100}{1} =$  **12%**

i)  $\frac{5}{12}$   $12 \overline{) 5.00} = 41\frac{2}{3}$  **41 $\frac{2}{3}$ %**     $\frac{3}{16}$   $16 \overline{) 3.00} = 18\frac{3}{4}$  **18 $\frac{3}{4}$ %**     $\frac{2}{7} = .28\overline{4} =$  **28 $\frac{1}{3}$ %**

$\frac{9}{8}$   $8 \overline{) 9.00} = 1.12\overline{5}$  ← only do this when finding %  
**112 $\frac{1}{2}$ % = 112 $\frac{1}{2}$ %**     $7 \overline{) 2.84}$

j)  $\frac{1}{4} = .25 =$  **25%**     $5\frac{5}{8} = 5.625 =$  **562.5%**     $\frac{7}{8} = .875 =$  **87.5%**

$8 \overline{) 5.625}$   
 $\frac{5}{8}$

$\frac{3}{5} = 0.6 =$  **60%**  
 $5 \overline{) 3.00}$