8.6 Percents, Decimals and Fractions

Denominators that are not 100

1. Denominators that are factors of 100

$\frac{3}{4} \xrightarrow{\times 25} \frac{75}{100} = 75\%$

$\frac{7}{10} \xrightarrow{\times 10} \frac{70}{100} = 70\%$

$\frac{9}{50} \xrightarrow{\times 2} \frac{18}{100} = 18\%$

2 × 50
4 × 25
5 × 20
10 × 10
20 × 5
25 × 4
50 × 2

Decimal to Percent

0.38 Thirty eight hundredths

38%

D → P
× 100 and add %

0.71 71%

0.002 0.2%

0.3682417
36.82417%

Fractions that do not have denominators that are factors of 100

8, 16, 40

F → D → P

$\frac{5}{8} = 0.625 = 62.5\%$

$8\overline{)5.000}$ → 0.625
48
20
16
40
40
0

$\frac{9}{16} = 0.5625$
$= 56.25\%$

$16\overline{)9.000}$ → 0.5625
80
100
96
40
32
80

$\frac{2}{3} = 0.\overline{66}$
Not = 66.7%
Not = 66.6%
$66\frac{2}{3}\%$

$\frac{4}{9} = 0.\overline{44}$ $44\frac{4}{9}\%$

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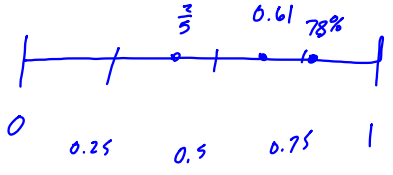

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2-44 even