

5.9 + 5.10 Decimals + Fractions

Change dec. to frac.

1)  $0.8 = \frac{8}{10} = \frac{4}{5}$

2)  $0.28 = \frac{28}{100} = \frac{7}{25}$

2	28	100
2	14	50
	7	25

3)  $15.25 = 15 + \frac{25}{100} = 15\frac{1}{4}$

5	125	1000
5	25	200
5	5	40
	1	8

4)  $0.6 = \frac{6}{10} = \frac{3}{5}$

5)  $1.75 = \frac{175}{100} = \frac{7}{4}$

6)  $42.425 = 42 + \frac{425}{1000} = 42\frac{17}{40}$

5	425	1000
	85	200
	17	40

Change frac. to dec.

1)  $\frac{17}{20} = \frac{85}{100} = 0.85$

2)  $\frac{14}{20} = \frac{70}{100} = 0.70$  OR  $\frac{14}{20} = \frac{7}{10} = 0.7$

3)  $8\frac{37}{50} = 8.74$

$\frac{37}{50} = \frac{74}{100}$

\* Use shortcut (equivalent frac) when den. is a factor of 100  
(1, 2, 4, 5, 10, 20, 25, 50, 100)

4)  $\frac{1}{8} = 0.125$

tells us to -

0.125
8   1.000
- 8
20
- 16
40
- 40
0

5)  $5\frac{11}{10} = 5.6875$

tells us to -

0.6875
10   6.875
- 6
87
- 80
70
- 70
0

\* Both are terminating dec.  
(STOP)

