

Relating Fractions, Decimals and Percent

Feb. 11

Percent	Reduce Fraction	Decimal
26%	$\frac{26}{100} \div 2 = \frac{13}{50}$	0.26
40%	$\frac{2}{5} = \frac{2 \times 20}{5 \times 20} = \frac{40}{100}$	0.40
67%	$\frac{67}{100}$	0.67
56%	$\frac{17}{30} \Rightarrow$	0.56
65%	$\frac{65}{100} \div 5 = \frac{13}{20}$	0.65
77.7%	$\frac{7}{9}$	0.7777

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Think test results

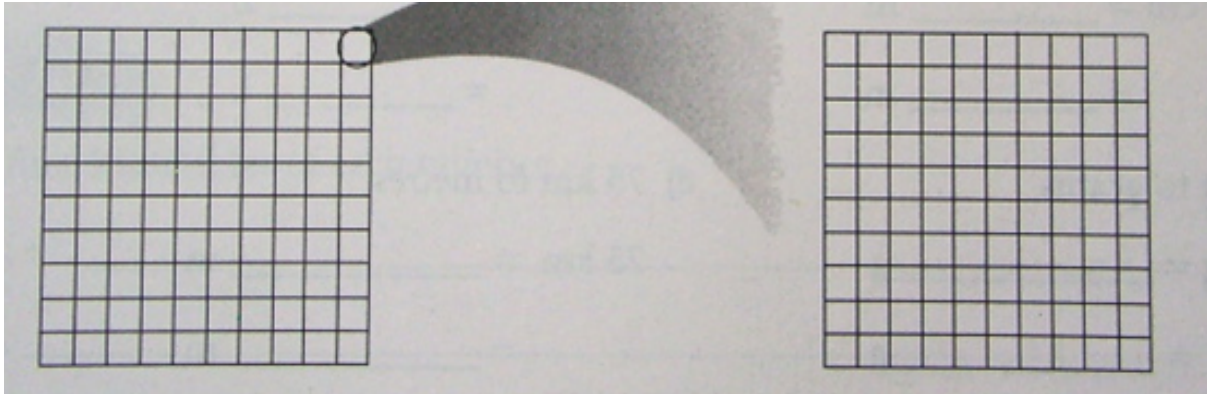
What is the decimal value? the percentage?

$$\frac{75}{85} = 0.88 = 88\%$$

$$75 \div 85$$

on calculator

One small square on a hundred chart can be enlarged to show 100 squares. This is called a hundredths chart.



Each small square of a hundredths chart represents $\frac{1}{100}$ of 1%, or $\frac{1}{100}$ %, or 0.01%

Percent to decimal remember to divide by 100

Be careful not to confused a decimal percent to a decimal

0.2% is 0.002 as a decimal

0.007% = 0.00007 as a decimal

still
by 100

Buffy had $23\frac{1}{2}$ out of 30 on her math test

She had $21\frac{1}{2}$ out of 40 on her second math test

On which test did Buffy do better? **Test 1**

Use calculators

Test 1

$$\frac{23.5}{30} = 0.78 = 78\%$$

Top \div Bottom

Test 2

$$\frac{21.5}{40} = 0.53 = 53\%$$

Top
 \div bottom

Class/Homework

Classwork and finish for homework

Practice Questions

Page 239 #3, 6(b,c), 7(a,c)

Page 240 #8, 9(a,c), 12(b,d), 13(a,c), 14(b,c), 16

3) ^{Fraction} $\frac{1}{5}$

^{This is a %} $\frac{1}{5} \%$

$$\frac{1}{5} = 0.20 = 20 \%$$

$\frac{22.5}{100}$	$\times 10$	$= \frac{225}{1000}$	$\div 25$
Not a			
frac			$= \frac{9}{40}$
			$0.\underline{2}\underline{2}\underline{5}$

$$\frac{1}{5} \% = 0.20 \% = 0.002 = \frac{2}{1000} = \frac{1}{500}$$

