Let's Do Math worksheet

Let's develop your trust in the calculator method

Name: _____

Date: _____

Here's the plan...

You know that we can make an equivalent fraction with a denominator of 10 or 100 to easily find a percentage.

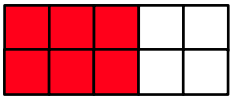
Part 1: Use the equivalent fraction strategy for all problems.

Part 2: Re-do all the problems using a calculator. This will build your confidence in the method so you'll be ready to rock!

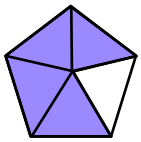
What percentage is shaded?

Part 1 (equivalent fraction strategy)

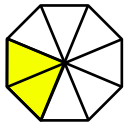
For each diagram, write the fraction that describes the shaded part. Make an equivalent fraction with a denominator of 10 or 100 then write the percentage shaded.

1. 

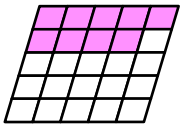
equiv. fraction	calculator
$\frac{6}{10} = \frac{60}{100}$	$\frac{6}{10} = 6 \div 10$
	$= 0.6$
$= 60\%$	$0.6 \times 100 = 60\%$

2. 

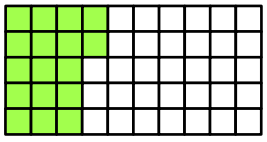
equiv. fraction	calculator
$\frac{4}{5} = \frac{8}{10} = \frac{80}{100}$	$\frac{4}{5} = 4 \div 5$
	$= 0.8$
$= 80\%$	$0.8 \times 100 = 80\%$

3. 

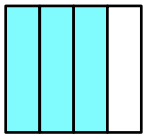
equiv. fraction	calculator
$\frac{2}{8} = \frac{1}{4} = \frac{25}{100}$	$\frac{2}{8} = 2 \div 8$
	$= 0.25$
$= 25\%$	$0.25 \times 100 = 25\%$

4. 

equiv. fraction	calculator
$\frac{9}{25} \overset{\times 4}{=} \frac{36}{100}$	$\frac{9}{25} = 9 \div 25$
	$= 0.36$
$= 36\%$	$0.36 \times 100 = 36\%$

5. 

equiv. fraction	calculator
$\frac{17}{50} \overset{\times 2}{=} \frac{34}{100}$	$\frac{17}{50} = 17 \div 50$
	$= 0.34$
$= 34\%$	$0.34 \times 100 = 34\%$

6. 

equiv. fraction	calculator
$\frac{3}{4} = \frac{75}{100}$	$\frac{3}{4} = 3 \div 4$
	$= 0.75$
$= 75\%$	$= 75\%$

Part 2 (calculator strategy)

Numerator divided by denominator gives you the decimal, then create the percentage.
When you write it out, follow the format done in the first one as your example for this method.

This thinking is going to help you a LOT! This is definitely a 'keep me' page.

Let's Do Math worksheet

Change a fraction into a percentage using a calculator!

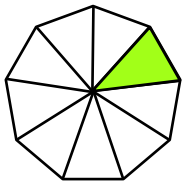
Name: _____

Date: _____

$\frac{1}{4} = 1 \div 4$
$= 0.25$
$= 25\%$

What percentage is shaded?

1.

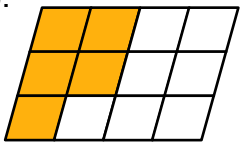


Fraction	Decimal (3 dec. figs max)	%
$\frac{1}{9}$	0.111	11 %

2.

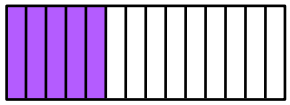
Fraction	Decimal (3 dec. figs max)	%
$\frac{1}{3}$	0.33	33% or I prefer 33.3%

3.



Fraction	Decimal (3 dec. figs max)	%
$\frac{5}{12}$	0.416	42 %

4.



Fraction	Decimal (3 dec. figs max)	%
$\frac{5}{14}$	0.357	36 %

Use a calculator to find the percent equivalent.

(Remember: you only need the first 3 decimal figures to get the percentage.)

5. $\frac{2}{5}$ = 0.4 = 40 %	6. $\frac{7}{8}$ = 0.875 = 88 %	7. $\frac{9}{20}$ = 0.45 = 45 %
8. $\frac{14}{18}$ = 0.777 = 78 %	9. $\frac{6}{11}$ = 0.545 = 55 %	10. $\frac{5}{7}$ = 0.714 = 71 %
11. $\frac{7}{15}$ = 0.466 = 47 %	12. $\frac{8}{18}$ = 0.444 = 44 %	13. $\frac{3}{16}$ = 0.187 = 19 %
14. $\frac{10}{12}$ = 0.833 = 83 %	15. $\frac{4}{24}$ = 0.166 = 17 %	16. $\frac{9}{45}$ = 0.2 = 20 %

Let's Do Math worksheet

Now you know what to do, let's blast through a bunch of these equivalents!

Name: _____

Date: _____

I recommend writing down the decimal equivalent as it sets your thinking in place. It's a great way to avoid a mistake.

If you want, you could omit the step, but please take care with that percentage.

Use a calculator

Show the percentage equivalent

1. $\frac{6}{10}$ $6 \div 10 = 0.6 = 60\%$
2. $\frac{3}{8} = 0.375 = 38\%$
3. $\frac{8}{9} = 0.888 = 89\%$
4. $\frac{5}{6} = 0.833 = 83\%$
5. $\frac{7}{12} = 0.583 = 58\%$
6. $\frac{9}{13} = 0.692 = 69\%$
7. $\frac{9}{19} = 0.473 = 47\%$
8. $\frac{7}{16} = 0.437 = 44\%$
9. $\frac{16}{50} = 0.32 = 32\%$
10. $\frac{17}{40} = 0.425 = 43\%$
11. $\frac{22}{48} = 0.458 = 46\%$
12. $\frac{17}{18} = 0.944 = 94\%$
13. $\frac{34}{40} = 0.85 = 85\%$
14. $\frac{21}{26} = 0.807 = 81\%$
15. $\frac{32}{54} = 0.8 = 80\%$
16. $\frac{56}{77} = 0.727 = 73\%$
17. $\frac{46}{72} = 0.638 = 64\%$
18. $\frac{92}{96} = 0.958 = 96\%$