What Percent Means

Say both every time: percent, out of 100. Show the decimal step whenever you convert.

Name _____ Date _____

Words we use

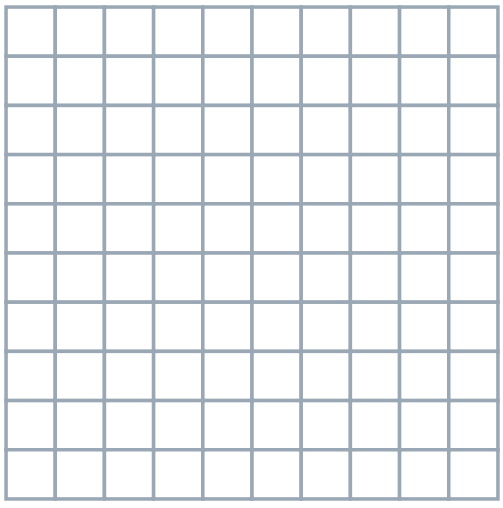
say the math word, then the plain English

WORD	PLAIN ENGLISH	WHAT YOU DO
Percent	Out of 100, per hundred.	Read 30% as 30 out of every 100.
The percent symbol, %	A short way to write out of 100.	Write 30 out of 100 as 30%.
Decimal form	The same amount as a decimal: 30% is 0.30.	Move the decimal point two places left.
Fraction form	The same amount over 100, simplified if you can: 25% is one fourth.	Write it over 100, then simplify.
Benchmark percent	An easy one to use for estimating, like 10, 25, or 50 percent.	Find 10 percent first, then build.

Part A Read and shade

1. A 100-square grid has 42 squares shaded. Write the percent and the fraction over 100.

2. Shade 65 percent of this grid.



3. A 7 percent tax is how many cents on one dollar?

Part B Three ways

PERCENT	FRACTION	DECIMAL
45%		
	3/5	
		0.875
0.5%		
125%		

Part C Benchmarks

1. Find 10 percent and 1 percent of 240.

2. Use 10 percent to find 30 percent of 240, then 15 percent of 60.

3. Estimate 52 percent of 300 with a benchmark, then find it exactly.

Part D Exit ticket

1. Write three fifths as a decimal and as a percent.

2. What does cent mean? What does percent mean?

3. Find 10 percent of 90, then 30 percent of 90.

Answer key

Part A. 1. 42%, $\frac{42}{100}$. 2. 65 squares shaded. 3. 7 cents.

Part B. 45%: $\frac{9}{20}$, 0.45. $\frac{3}{5}$: 60%, 0.6. 0.875: 87.5%, $\frac{7}{8}$. 0.5%: $\frac{1}{200}$, 0.005. 125%: $1\frac{1}{4}$, 1.25.

Part C. 1. 24 and 2.4. 2. 72; 9. 3. About 150; exactly 156.

Part D. 1. 0.6 and 60%. 2. Cent means hundred; percent means per hundred, out of 100. 3. 9, then 27.