

Lesson 43: Percents - Using Fractions in Percent Problems

Purpose of lesson: You will learn how to use fractions in **percent** problems.



Now let's use fractions the same way you used decimals to solve percent problems!

PERCENT	FRACTION
16 $\frac{2}{3}$ %	$\frac{1}{6}$
33 $\frac{1}{3}$ %	$\frac{1}{3}$
66 $\frac{2}{3}$ %	$\frac{2}{3}$
83 $\frac{1}{3}$ %	$\frac{5}{6}$
12 $\frac{1}{2}$ %	$\frac{1}{8}$
37 $\frac{1}{2}$ %	$\frac{3}{8}$
62 $\frac{1}{2}$ %	$\frac{5}{8}$
87 $\frac{1}{2}$ %	$\frac{7}{8}$

Examples:

1) 33 $\frac{1}{3}$ % of 24 is _____

Use $\frac{1}{3}$: $\frac{1}{3} \times 24 =$ _____

Now multiply as you would any fraction.

$$\frac{1}{3} \times \frac{24}{1} = \frac{24}{3} = 8$$

2) 62 1/2 % of 40 is _____

$$\frac{5}{8} \times \frac{40}{1} =$$

$$\frac{5}{8} \times \frac{40}{1} = \frac{200}{8} = \mathbf{25}$$

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