

MATH · GRADES 5–6

# Fractions, Decimals & Percentages

Three ways to say the same thing

## Common conversions to memorize

Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	50%
$\frac{1}{4}$	0.25	25%
$\frac{3}{4}$	0.75	75%
$\frac{1}{10}$	0.1	10%
$\frac{1}{5}$	0.2	20%
$\frac{3}{10}$	0.3	30%
$\frac{1}{8}$	0.125	12.5%
$\frac{1}{3}$	0.333...	33.3%
$\frac{1}{100}$	0.01	1%

## Convert to all three forms

- 0.6 — what is this as a fraction (simplified) and percentage?
- 60% — what is this as a fraction (simplified) and decimal?
- $\frac{7}{10}$  — what is this as a decimal and percentage?
- 0.05 — fraction and percentage?



5. 30% — fraction (simplified) and decimal?

6.  $\frac{1}{5}$  — decimal and percentage?

### Word problems

1. A test has 40 questions. Anna got 32 right. What percentage did she score?

2. There are 200 students. 35% walk to school. How many is that?

3. A jacket costs \$80. There's a 20% discount. What's the new price?

