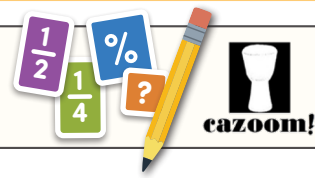


# Fractions, Decimals, and Percents (B)

## ANSWERS



### Section A

Convert these decimals into percentages and then fractions.  
Don't forget to write the fractions in their simplest form.

Example

$$0.12 = 12\% = \frac{12}{100} = \frac{3}{25}$$

$$0.02 = 2\% = \frac{2}{100} = \frac{1}{50}$$

$$0.2 = 20\% = \frac{20}{100} = \frac{1}{5}$$

$$0.24 = 24\% = \frac{24}{100} = \frac{6}{25}$$

$$0.05 = 5\% = \frac{5}{100} = \frac{1}{20}$$

$$0.67 = 67\% = \frac{67}{100}$$

$$0.7 = 70\% = \frac{70}{100} = \frac{7}{10}$$

$$0.75 = 75\% = \frac{75}{100} = \frac{3}{4}$$

$$0.8 = 80\% = \frac{80}{100} = \frac{4}{5}$$

$$0.23 = 23\% = \frac{23}{100}$$

$$0.25 = 25\% = \frac{25}{100} = \frac{1}{4}$$

$$0.01 = 1\% = \frac{1}{100}$$

### Section B

Identify, correct and explain the mistakes below.

1)  $0.5 = 5\%$

Multiplying a decimal by 100 will give its percentage equivalent.

$0.5 \times 100 = 50$  therefore  $0.5 = 50\%$

2)  $0.34 = \frac{3}{4}$

0.34 as a percentage is 34%. This means 34 out of 100 so the fraction equivalent is  $\frac{34}{100}$  which simplifies to  $\frac{17}{50}$ .

The numbers in the decimal are not the numerators and denominators.

# Fractions, Decimals, and Percents (B)

## ANSWERS



### Section C

Convert these percentages into decimals and then fractions.  
Remember fractions must be given in their simplest form.

Example

$$42\% = 0.42 = \frac{42}{100} = \frac{21}{50}$$

$$6\% = 0.06 = \frac{6}{100} = \frac{3}{50}$$

$$79\% = 0.79 = \frac{79}{100}$$

$$3\% = 0.03 = \frac{3}{100}$$

$$94\% = 0.94 = \frac{94}{100} = \frac{47}{50}$$

$$40\% = 0.4 = \frac{40}{100} = \frac{2}{5}$$

$$25\% = 0.25 = \frac{25}{100} = \frac{1}{4}$$

$$50\% = 0.5 = \frac{50}{100} = \frac{1}{2}$$

$$19\% = 0.19 = \frac{19}{100}$$

$$9\% = 0.09 = \frac{9}{100}$$

$$75\% = 0.75 = \frac{75}{100} = \frac{3}{4}$$

$$1\% = 0.01 = \frac{1}{100}$$

### Section D

**Fifths.**

Use your answers from Section A and C to help you fill the gaps below.

$$\frac{1}{5} = 20\% = 0.2$$

$$\frac{2}{5} = 40\% = 0.4$$

$$\frac{4}{5} = 80\% = 0.8$$

Can you use these to help you fill the gaps to make this fraction decimal and percentage equivalent?

$$\frac{3}{5} = 60\% = 0.6$$