

## Turning Decimals into Fractions

Worksheet 5

### To turn a decimal to a fraction.

Count the number of digits after the decimal point.

- **One digit** after the decimal point means "**tenths**".

e.g.  $0.4 \rightarrow \frac{4}{10}$

$0.6 \rightarrow \frac{6}{10}$

$1.2 \rightarrow 1 \frac{2}{10}$

$13.7 \rightarrow 13 \frac{7}{10}$

- **Two digits** after the decimal point means "**hundredths**".

e.g.  $0.41 \rightarrow \frac{41}{100}$

$0.62 \rightarrow \frac{62}{100}$

$1.12 \rightarrow 1 \frac{12}{100}$

$13.37 \rightarrow 13 \frac{37}{100}$

- **Three digits** after the decimal point means "**thousandths**".

e.g.  $0.414 \rightarrow \frac{414}{1000}$

$0.126 \rightarrow \frac{126}{1000}$

$1.652 \rightarrow 1 \frac{652}{1000}$

$13.117 \rightarrow 13 \frac{117}{1000}$

- **ALWAYS** give fractions in their simplest terms.

e.g.  $\frac{3}{10}$  and not  $\frac{30}{100}$

$\frac{5}{6}$  and not  $\frac{10}{12}$

$\frac{3}{4}$  and not  $\frac{75}{100}$

### Exercises.

Turn these decimals into fractions.

**1.** 0.65

**2.** 0.8

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**3.** 0.28

**4.** 0.619

**5.** 3.9

**6.** 10.74

**7.** 0.007

**8.** 0.716

**9.** 17.713

**10.** 10.8

**11.** 0.01

**12.** 0.327

**13.** 12.94

**14.** 126.185

**15.** 0.027

**16.** 1000.04

**17.** 0.515

**18.** 0.68

**19.** 0.033

**20.** 10.101

**21.** 1000.001

**22.** 1010.101

**23.** 0.017

**24.** 999.999

TOTAL: /24