

**Convert the decimal to a fraction.**

1) 0.021

2) 0.82

3) 0.015

4) 0.569

5) 0.113

6) 0.202

7) 0.016

8) 0.193

9) 0.3

## Converting Decimals to Fractions

Date \_\_\_\_\_ Period \_\_\_\_\_

**Convert the decimal to a fraction.**

1) 0.021

$$\text{Answer: } \frac{21}{1000}$$

2) 0.82

$$\text{Answer: } \frac{41}{50}$$

3) 0.015

$$\text{Answer: } \frac{3}{200}$$

4) 0.569

$$\text{Answer: } \frac{569}{1000}$$

5) 0.113

$$\text{Answer: } \frac{113}{1000}$$

6) 0.202

$$\text{Answer: } \frac{101}{500}$$

7) 0.016

$$\text{Answer: } \frac{2}{125}$$

8) 0.193

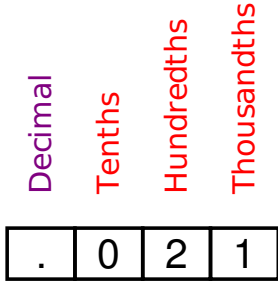
$$\text{Answer: } \frac{193}{1000}$$

9) 0.3

$$\text{Answer: } \frac{3}{10}$$

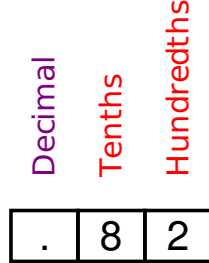
**Solution Steps**

1) 0.021



We can write  $0.021 = \frac{21}{1000}$ , meaning 21 hundredths

2) 0.82



We can write  $0.82 = \frac{820}{1000}$ , meaning 82 hundredths  
 $\frac{820}{1000}$  can be reduced, since 20 is a factor of both 820 and 1,000:  
 $\frac{820}{1000} \div \frac{20}{20} = \frac{41}{50}$   
 The fraction is now in lowest terms

3) 0.015



We can write  $0.015 = \frac{15}{1000}$ , meaning 15 hundredths  
 $\frac{15}{1000}$  can be reduced, since 5 is a factor of both 15 and 1,000:  
 $\frac{15}{1000} \div \frac{5}{5} = \frac{3}{200}$   
 The fraction is now in lowest terms

4) 0.569

Decimal	Tenths	Hundredths	Thousandths
.	5	6	9

We can write  
 $0.569 = \frac{569}{1000}$ , meaning  
 569 thousandths

5) 0.113

Decimal	Tenths	Hundredths	Thousandths
.	1	1	3

We can write  
 $0.113 = \frac{113}{1000}$ , meaning  
 113 thousandths

6) 0.202

Decimal	Tenths	Hundredths	Thousandths
.	2	0	2

We can write  
 $0.202 = \frac{202}{1000}$ , meaning  
 202 thousandths  
 $\frac{202}{1000}$  can be reduced, since  
 2 is a factor of both 202  
 and 1,000:  
 $\frac{202}{1000} \div \frac{2}{2} = \frac{101}{500}$   
 The fraction is now in  
 lowest terms

7) 0.016

Decimal	Tenths	Hundredths	Thousandths
.	0	1	6

We can write  
 $0.016 = \frac{16}{1000}$ , meaning 16  
 hundredths  
 $\frac{16}{1000}$  can be reduced, since  
 8 is a factor of both 16 and  
 1,000:  
 $\frac{16}{1000} \div \frac{8}{8} = \frac{2}{125}$   
 The fraction is now in  
 lowest terms

8) 0.193

Decimal	Tenths	Hundredths	Thousandths
.	1	9	3

We can write  
 $0.193 = \frac{193}{1000}$ , meaning  
 193 thousandths

9) 0.3

Decimal	Tenths
.	3

We can write  $0.3 = \frac{300}{1000}$ ,  
 meaning 3 tenths  
 $\frac{300}{1000}$  can be reduced, since  
 100 is a factor of both 300  
 and 1,000:  
 $\frac{300}{1000} \div \frac{100}{100} = \frac{3}{10}$   
 The fraction is now in  
 lowest terms