

Convert the decimal to a fraction.

1) 0.405

2) 0.619

3) 0.268

4) 0.193

5) 0.49

6) 0.049

7) 0.554

8) 0.137

9) 0.954

Convert the decimal to a fraction.

1) 0.405

Answer: $\frac{81}{200}$

2) 0.619

Answer: $\frac{619}{1000}$

3) 0.268

Answer: $\frac{67}{250}$

4) 0.193

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

5) 0.49

Answer: $\frac{49}{100}$

6) 0.049

Answer: $\frac{49}{1000}$

7) 0.554

Answer: $\frac{277}{500}$

8) 0.137

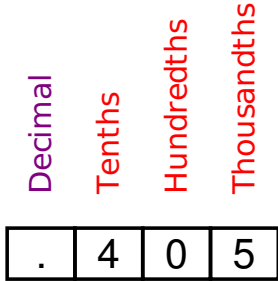
Answer: $\frac{137}{1000}$

9) 0.954

Answer: $\frac{477}{500}$

Solution Steps

1) 0.405



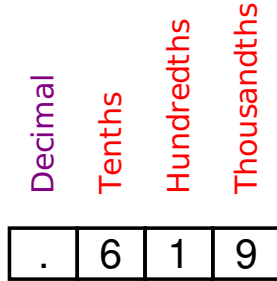
We can write $0.405 = \frac{405}{1000}$, meaning 405 thousandths

$\frac{405}{1000}$ can be reduced, since 5 is a factor of both 405 and 1,000:

$$\frac{405}{1000} \div \frac{5}{5} = \frac{81}{200}$$

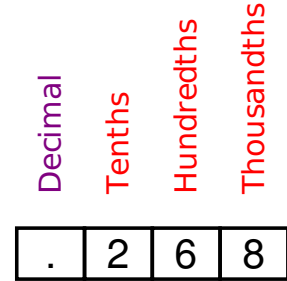
The fraction is now in lowest terms

2) 0.619



We can write $0.619 = \frac{619}{1000}$, meaning 619 thousandths

3) 0.268



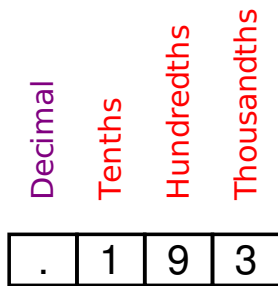
We can write $0.268 = \frac{268}{1000}$, meaning 268 thousandths

$\frac{268}{1000}$ can be reduced, since 4 is a factor of both 268 and 1,000:

$$\frac{268}{1000} \div \frac{4}{4} = \frac{67}{250}$$

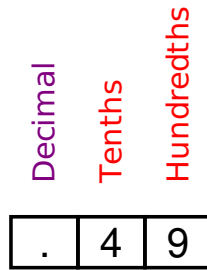
The fraction is now in lowest terms

4) 0.193



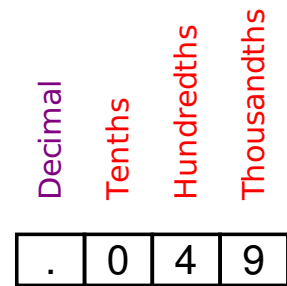
We can write $0.193 = \frac{193}{1000}$, meaning 193 thousandths

5) 0.49



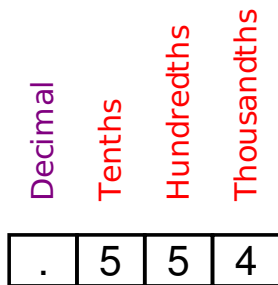
We can write $0.49 = \frac{490}{1000}$, meaning 490 hundredths
 $\frac{490}{1000}$ can be reduced, since 10 is a factor of both 490 and 1,000:
 $\frac{490}{1000} \div \frac{10}{10} = \frac{49}{100}$
 The fraction is now in lowest terms

6) 0.049



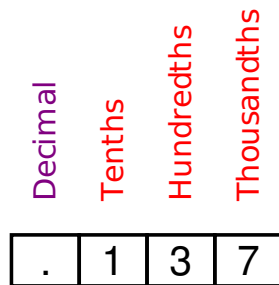
We can write $0.049 = \frac{49}{1000}$, meaning 49 hundredths

7) 0.554



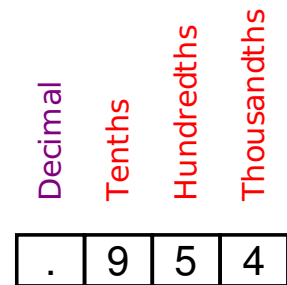
We can write $0.554 = \frac{554}{1000}$, meaning 554 thousandths
 $\frac{554}{1000}$ can be reduced, since 2 is a factor of both 554 and 1,000:
 $\frac{554}{1000} \div \frac{2}{2} = \frac{277}{500}$
 The fraction is now in lowest terms

8) 0.137



We can write $0.137 = \frac{137}{1000}$, meaning 137 thousandths

9) 0.954



We can write $0.954 = \frac{954}{1000}$, meaning 954 thousandths
 $\frac{954}{1000}$ can be reduced, since 2 is a factor of both 954 and 1,000:
 $\frac{954}{1000} \div \frac{2}{2} = \frac{477}{500}$
 The fraction is now in lowest terms