

Name:

Class/Set:

Convert Recurring Decimals to Fractions

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1: Convert the following recurring decimals to fractions in their simplest form:

a) $0.\overline{5}$

b) $0.\overline{7}$

2: Convert the following recurring decimals to fractions in their simplest form:

a) $0.\overline{6}\overline{7}$

b) $0.\overline{4}\overline{3}$

3: Convert the following recurring decimals to fractions in their simplest form:

a) $0.\overline{3}\overline{6}\overline{7}$

b) $0.\overline{7}\overline{6}\overline{9}$

4: Convert the following recurring decimals to fractions in their simplest form:

a) $0.\overline{18}$

b) $0.\overline{26}$

5: Convert the following recurring decimals to fractions in their simplest form:

a) $0.\overline{528}$

b) $0.\overline{287}$

6: Convert the following recurring decimals to fractions in their simplest form:

a) $0.\overline{3589}$

b) $0.\overline{6177}$

Answers: Convert Recurring Decimals to Fractions

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1: a) $\frac{5}{9}$ b) $\frac{7}{9}$

2: a) $\frac{67}{99}$ b) $\frac{43}{99}$

3: a) $\frac{367}{999}$ b) $\frac{769}{999}$

4: a) $\frac{17}{90}$ b) $\frac{24}{90} = \frac{4}{15}$

5: a) $\frac{523}{990}$ b) $\frac{285}{990} = \frac{19}{66}$

6: a) $\frac{3586}{9990} = \frac{1793}{4995}$ b) $\frac{6171}{9990} = \frac{2057}{3330}$