

Introduction to Decimals

1. Write each decimal as a word statement.

a) 0.004

b) 3.0008

c) 0.183

d) 0.014

e) 0.00231

f) 3.0410

2. Write each word statement as a decimal.

a) Forty-one one thousandths

b) Fourteen and two hundred thirty-one one millionths.

c) Three thousand four ten thousandths.

d) Five hundred one millionths.

3. Write each fraction as a decimal.

a) $\frac{3}{100}$

b) $\frac{1,389}{100,000}$

c) $\frac{13}{1,000,000}$

d) $\frac{1,003}{1,000,000,000}$

e) $\frac{5}{8}$

f) $\frac{3}{4}$

4. Write each decimal as a reduced fraction.

a) 0.625

b) 0.004

c) 0.120

Introduction to Decimals

1. Write each decimal as a word statement.

a) 0.004

b) 3.0008

Four one thousandths

Three and eight

ten thousandths

c) 0.183

d) 0.014

One hundred Eighty-three
one-thousandths

Fourteen one thousandths

e) 0.00231

f) 3.0410

Two hundred thirty-one
hundred thousandths

Three and four hundred ten
ten thousandths

2. Write each word statement as a decimal.

a) Forty-one one thousandths

0.041

b) Fourteen and two hundred thirty-one
one millionths.

14.000231

c) Three thousand four ten thousandths.

0.3004

d) Five hundred one millionths.

0.000500

3. Write each fraction as a decimal.

a) $\frac{3}{100}$

0.03

b) $\frac{1,389}{100,000}$

0.01389

c) $\frac{13}{1,000,000}$

0.000013

d) $\frac{1,003}{1,000,000,000}$

0.000001003

e) $\frac{5}{8} = 0.625$

$$\begin{array}{r} 0.625 \\ 8 \overline{) 5.000} \\ \underline{48} \\ 20 \\ \underline{16} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

f) $\frac{3}{4} = 0.75$

$$\begin{array}{r} 0.75 \\ 4 \overline{) 3.00} \\ \underline{28} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

4. Write each decimal as a reduced fraction.

a) 0.625

$$\frac{625/25}{1000/25}$$

$$\frac{25/5}{40/5}$$

$$\boxed{\frac{5}{8}}$$

b) 0.004

$$\frac{4}{1,000}$$

$$\frac{2}{500}$$

$$\boxed{\frac{1}{250}}$$

c) 0.120

$$\frac{120/20}{1,000/20}$$

$$\frac{6}{50}$$

$$\boxed{\frac{3}{25}}$$