

Fractions & Decimals

1. Write the following decimals as fractions. You do not need to reduce your fraction.
1 mark each correct numerator, and 1 mark each correct denominator. Total 20 marks.

a) 0.3 = _____

b) 0.356 = _____

c) 0.79 = _____

d) 0.09 = _____

e) 0.024 = _____

f) 0.603 = _____

g) 0.004 = _____

h) 0.20 = _____

i) 0.5 = _____

j) 0.71 = _____

2. Write the following decimals as fractions. Reduce the fraction, using the reduced denominator given.

a) 0.30 = _____ = $\frac{\quad}{10}$

b) 0.35 = _____ = $\frac{\quad}{20}$

c) 0.6 = _____ = $\frac{\quad}{5}$

d) 0.04 = _____ = $\frac{\quad}{25}$

e) 0.26 = _____ = $\frac{\quad}{50}$

f) 0.018 = _____ = $\frac{\quad}{500}$

g) 0.005 = _____ = $\frac{\quad}{200}$

h) 0.142 = _____ = $\frac{\quad}{500}$

i) 0.48 = _____ = $\frac{\quad}{25}$

j) 0.375 = _____ = $\frac{\quad}{8}$

Fractions & Decimals – Answers

Do not give this to the student.

1. Write the following decimals as fractions. **Do not** reduce your fraction.

$$\text{a) } 0.3 = \frac{3}{10}$$

$$\text{b) } 0.356 = \frac{356}{1000}$$

$$\text{c) } 0.79 = \frac{79}{100}$$

$$\text{d) } 0.09 = \frac{9}{100}$$

$$\text{e) } 0.024 = \frac{24}{1000}$$

$$\text{f) } 0.603 = \frac{603}{1000}$$

$$\text{g) } 0.004 = \frac{4}{1000}$$

$$\text{h) } 0.20 = \frac{20}{100}$$

$$\text{i) } 0.5 = \frac{5}{10}$$

$$\text{j) } 0.71 = \frac{71}{100}$$

2. Write the following decimals as fractions. Reduce the fraction, using the reduced denominator given.

$$\text{a) } 0.30 = \frac{30}{100} = \frac{3}{10}$$

$$\text{b) } 0.35 = \frac{35}{100} = \frac{7}{20}$$

$$\text{c) } 0.6 = \frac{6}{10} = \frac{3}{5}$$

$$\text{d) } 0.04 = \frac{4}{100} = \frac{1}{25}$$

$$\text{e) } 0.26 = \frac{26}{100} = \frac{13}{50}$$

$$\text{f) } 0.018 = \frac{18}{1000} = \frac{9}{500}$$

$$\text{g) } 0.005 = \frac{5}{1000} = \frac{1}{200}$$

$$\text{h) } 0.142 = \frac{142}{1000} = \frac{71}{500}$$

$$\text{i) } 0.48 = \frac{48}{100} = \frac{12}{25}$$

$$\text{j) } 0.125 = \frac{375}{1000} = \frac{3}{8}$$