Introduction to Decimals

A. Choose the correct answer:

1. Which of the following is a decimal number?

a) $\frac{3}{5}$ b) 0.5

c) 5:2 d) 2 × 3

2. 0.1 is equal to

a) $\frac{1}{10}$ b) $\frac{1}{100}$

c) 1 d) 10

3. The decimal number for half is

a) 0.1 b) 0.3

c) 0.5 d) 0.75

4. In 2.7, the digit 7 is in the

a) ones place b) tens place

c) tenths place d) hundreds place

5. Which of these represents one-tenth?

a) 1.1 b) 0.01

c) 0.1 d) 10.0

B. Write the Missing Terms to Complete the Sentences:

1. 0.25 is read as ___
2. The decimal 0.5 is equal to ___ / ___
3. In 3.6, the digit 3 is in the ___ place
4. The number 4.0 is the same as the whole number ___
5. 0.75 is greater than ___

C. Mark each sentence with a True (✔) or False (✗):

1. 0.5 is equal to $\frac{1}{2}$ ___

2. Decimal numbers have a point called a decimal point ___
3. 3.0 and 3 are not equal ___
4. 0.1 is greater than 0.9 ___
5. 1.25 is more than 1 ___

D. Figure out the answers to these questions:

1. Write the decimal for $\frac{3}{10}$
2. Convert 0.4 into a fraction
3. Write the place value of each digit in 1.9
4. Circle the decimal numbers from the list: 5, 0.5, $\frac{1}{4}$, 2.3, 6
5. Write any three decimal numbers between 0 and 1

E. Challenge yourself with these questions:

1. Convert 0.6 to a fraction
2. Write the decimal number for 7 ones and 3 tenths
3. Compare: 0.4 and 0.6. Which is greater?
4. Draw a number line from 0 to 1 and mark 0.1, 0.5, and 0.9
5. A jug has 1 liter of water. If 0.25 liters are used, how much is left?