Converting a Decimal into a Fraction

A. Choose the correct answer:

1. What is the fraction form of 0.6?

a)
$$\frac{6}{100}$$
 b) $\frac{6}{10}$
c) $\frac{60}{10}$ d) $\frac{1}{6}$

2. 0.75 is equal to which of the following fractions?

a) $\frac{3}{4}$	b) 7 /5
c) $\frac{1}{2}$	d) 75 1000

3. Which of the following decimals is equal to $\frac{1}{10}$?

a) 1.00 b) 0.1

- c) 0.01 d) 10.0
- 4. Convert 0.03 into a fraction

a) $\frac{3}{10}$	b) $\frac{3}{100}$
c) $\frac{3}{1000}$	d) $\frac{30}{100}$

5. What is 2.5 as a mixed fraction?

a) 2 $rac{1}{5}$	b) 2 ¹ / ₂
c) $2\frac{5}{10}$	d) $\frac{5}{2}$

B. Write the Missing Terms to Complete the Sentences:

1. The decimal 0.4 can be written as _____

- 2. 0.09 is equal to $\frac{-}{100}$
- 3. 0.2 has ______ as numerator and 10 as denominator
- 4. 3.25 as an improper fraction is _____
- 5. 0.5 and $\frac{-}{10}$ are the same

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



D. Figure out the answers to these questions:

- 1. Write 0.6 as a fraction in the lowest form.
- 2. Convert 1.75 into a fraction.
- 3. Express 0.125 as a fraction.
- 4. Write 5.2 as a mixed number.
- 5. Convert 2.05 into a fraction.

E. Challenge yourself with these questions:

- 1. Shreya wrote 0.25 as 25/100. Is she correct? Write it in simplest form..
- 2. Convert these decimals into fractions:
 - a) 0.7 b) 0.45 c) 1.8
- 3. A jug contains 1.5 liters of juice. Write it as a fraction.
- 4. Write 0.2, 0.25 and 0.5 as fractions and arrange them in ascending order.
- 5. Convert 3.06 into a fraction and simplify it if possible.