Fill in the blanks

(1) Convert the following decimal numbers as Fraction or Mixed Fraction (Simplification is not required):

A) 696.34 =

B) 76.21 =

C) 741.69 =

D) 85.267 =

E) 74.618 =

F) 32.34 =

G) 869 =

H) 747.6 =

I) 6.57 =

J) 53.45 =

(2) Convert the following fractions to decimal numbers:

A) \( \frac{9174}{1000} = \)

B) \( \frac{976}{1000} = \)

C) \( \frac{38}{100} = \)

D) \( \frac{3218}{1000} = \)

E) \( \frac{3397}{100} = \)

F) \( \frac{5982}{100} = \)
G) \[
\frac{58}{100} = \underline{\hspace{2cm}}
\]

H) \[
\frac{407}{1000} = \underline{\hspace{2cm}}
\]

I) \[
\frac{78}{100} = \underline{\hspace{2cm}}
\]

J) \[
\frac{4851}{1000} = \underline{\hspace{2cm}}
\]
Step 1

**Improper fractions** have a value more than 1. In an improper fraction, the denominator is less than the numerator.

Step 2

Let us now convert the decimal number 696.34 into improper fraction. Since the decimal point is placed just before the hundredths of the number, it can be expressed as $\frac{69634}{100}$.

Step 3

Therefore, $696.34 = \frac{69634}{100}$.

Step 4

The answer we get is $\frac{69634}{100}$. 

(1) A) \[ \frac{69634}{100} \]
B)

\[
76.21 = \frac{7621}{100}
\]

**Step 1**
In order to convert 76.21 as improper fraction, let us first look at its two parts: the whole number part which is 76 and the fractional part which is .21.

**Step 2**
In the fractional part .21, the decimal point is on the left of two digits. Thus we can write it as proper fraction \(\frac{21}{100}\).

**Step 3**
The number 76.21 can be written as a mixed fraction by combining the whole number 76 with the proper fraction \(\frac{21}{100}\) as \(76\frac{21}{100}\).

**Step 4**
Thus 76.21 can be written as mixed fraction \(76\frac{21}{100}\).

C)

\[
741.69 = \frac{74169}{100}
\]

**Step 1**
Improper fractions have a value more than 1. In an improper fraction, the denominator is less than the numerator.

**Step 2**
Let us now convert the decimal number 741.69 into improper fraction. Since the decimal point is placed just before the hundredths of the number, it can be expressed as 74169/100.

**Step 3**
Therefore, \(741.69 = \frac{74169}{100}\).

**Step 4**
The answer we get is \(\frac{74169}{100}\).
**Step 1**

Improper fractions have a value more than 1. In an improper fraction, the denominator is less than the numerator.

**Step 2**

Let us now convert the decimal number 85.267 into improper fraction. Since the decimal point is placed just before the thousandths of the number, it can be expressed as 85267/1000.

**Step 3**

Therefore, 85.267 = \[ \frac{85267}{1000} \]

**Step 4**

The answer we get is \[ \frac{85267}{1000} \].

**Step 1**

Improper fractions have a value more than 1. In an improper fraction, the denominator is less than the numerator.

**Step 2**

Let us now convert the decimal number 74.618 into improper fraction. Since the decimal point is placed just before the thousandths of the number, it can be expressed as 74618/1000.

**Step 3**

Therefore, 74.618 = \[ \frac{74618}{1000} \]

**Step 4**

The answer we get is \[ \frac{74618}{1000} \].
Step 1
In order to convert 32.34 as improper fraction, let us first look at its two parts: the whole number part which is 32 and the fractional part which is .34.

Step 2
In the fractional part .34, the decimal point is on the left of two digits. Thus we can write it as proper fraction $\frac{34}{100}$.

Step 3
The number 32.34 can be written as a mixed fraction by combining the whole number 32 with the proper fraction $\frac{34}{100}$ as $32 \frac{34}{100}$.

Step 4
Thus 32.34 can be written as mixed fraction $32 \frac{34}{100}$.

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Step 1
In order to convert 869 as improper fraction, let us first look at its two parts: the whole number part which is 869 and the fractional part which is ..

Step 2
In the fractional part .., the decimal point is on the left of two digits. Thus we can write it as proper fraction $\frac{0}{10}$.

Step 3
The number 869 can be written as a mixed fraction by combining the whole number 869 with the proper fraction $\frac{0}{10}$ as $869 \frac{0}{10}$.

Step 4
Thus 869 can be written as mixed fraction $869 \frac{0}{10}$.
Step 1
In order to convert 747.6 as improper fraction, let us first look at its two parts: the whole number part which is 747 and the fractional part which is .6.

Step 2
In the fractional part .6, the decimal point is on the left of two digits. Thus we can write it as proper fraction \( \frac{6}{10} \).

Step 3
The number 747.6 can be written as a mixed fraction by combining the whole number 747 with the proper fraction \( \frac{6}{10} \) as \( 747 \frac{6}{10} \).

Step 4
Thus 747.6 can be written as mixed fraction \( 747 \frac{6}{10} \).

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Step 1
In order to convert 6.57 as improper fraction, let us first look at its two parts: the whole number part which is 6 and the fractional part which is .57.

Step 2
In the fractional part .57, the decimal point is on the left of two digits. Thus we can write it as proper fraction \( \frac{57}{1000} \).

Step 3
The number 6.57 can be written as a mixed fraction by combining the whole number 6 with the proper fraction \( \frac{57}{1000} \) as \( 6 \frac{57}{1000} \).

Step 4
Thus 6.57 can be written as mixed fraction \( 6 \frac{57}{1000} \).
Step 1
In order to convert 53.45 as improper fraction, let us first look at its two parts: the whole number part which is 53 and the fractional part which is .45.

Step 2
In the fractional part .45, the decimal point is on the left of two digits. Thus we can write it as proper fraction \( \frac{45}{100} \).

Step 3
The number 53.45 can be written as a mixed fraction by combining the whole number 53 with the proper fraction \( \frac{45}{100} \) as \( 53 \frac{45}{100} \).

Step 4
Thus 53.45 can be written as mixed fraction \( 53 \frac{45}{100} \).
Step 1
Let us understand the definition of decimal fraction and decimals:

**Decimal fraction:** is a fraction whose denominator is a power of ten such as 10, 100, 1000 etc.

**A decimal number**, or just **decimal**, refers to any number written in decimal notation. In a number written in decimal notation, all digits to the left of the decimal point have face values more than one and those on the right of the decimal point have face values less than one.

Step 2
We should remember following facts about decimal numbers:

**Fact 1.** When a decimal number is multiplied by ten, the result is obtained by moving the decimal point to the right by one digit.

**Fact 2.** When a decimal number is divided by ten, the result is obtained by moving the decimal point to the left by one digit.

**Fact 3.** When a number does not have a decimal point, we can assume that there is a hidden decimal point to the right of the unit digit (right-most digit).

Step 3
Now, let us try to convert the decimal fraction \( \frac{9174}{1000} \) to a decimal number.

Step 4
Here, the number 9174 is to be divided by 1000. In other words we can say that 9174 is to be divided by 10 three times.

Step 5
In number 9174, the decimal point can be assumed to be hidden to the right of the unit digit. When it is divided by 10 three times, the decimal point will move three digits to the left. Hence the decimal number we get will be: 9.174

Step 6
Therefore, the answer is 9.174.
Step 1

\[
\frac{976}{1000}
\] is a mixed fraction. A mixed fraction is a combination of a whole number and a proper fraction.

Step 2

In the mixed fraction \( \frac{976}{1000} \), 5 is a whole number and \( \frac{976}{1000} \) is a proper fraction.

Step 3

To convert the mixed fraction into decimal, we shall first convert the proper fraction \( \frac{976}{1000} \) into a decimal number and add it to the whole number 5.

Step 4

The proper fraction \( \frac{976}{1000} \) can be written as a decimal number as 0.976. Adding the whole number 5 to the decimal number 0.976, we get 5.976.

Step 5

Therefore, the answer is 5.976.
Step 1

\[
\frac{38}{100} \quad \text{is a mixed fraction. A mixed fraction is a combination of a whole number and a proper fraction.}
\]

Step 2

In the mixed fraction \(\frac{38}{100}\), 10 is a whole number and \(\frac{38}{100}\) is a proper fraction.

Step 3

To convert the mixed fraction into decimal, we shall first convert the proper fraction \(\frac{38}{100}\) into a decimal number and add it to the whole number 10.

Step 4

The proper fraction \(\frac{38}{100}\) can be written as a decimal number as 0.38. Adding the whole number 10 to the decimal number 0.38, we get 10.38.

Step 5

Therefore, the answer is 10.38.
Step 1
Let us understand the definition of decimal fraction and decimals:

**Decimal fraction:** is a fraction whose denominator is a power of ten such as 10, 100, 1000 etc.

**A decimal number**, or just **decimal**, refers to any number written in decimal notation. In a number written in decimal notation, all digits to the left of the decimal point have face values more than one and those on the right of the decimal point have face values less than one.

Step 2
We should remember following facts about decimal numbers:

**Fact 1.** When a decimal number is multiplied by ten, the result is obtained by moving the decimal point to the right by one digit.

**Fact 2.** When a decimal number is divided by ten, the result is obtained by moving the decimal point to the left by one digit.

**Fact 3.** When a number does not have a decimal point, we can assume that there is a hidden decimal point to the right of the unit digit (right-most digit).

Step 3
Now, let us try to convert the decimal fraction 3218/1000 to a decimal number.

Step 4
Here, the number 3218 is to be divided by 1000. In other words we can say that 3218 is to be divided by 10 three times.

Step 5
In number 3218, the decimal point can be assumed to be hidden to the right of the unit digit. When it is divided by 10 three times, the decimal point will move three digits to the left. Hence the decimal number we get will be: 3.218

Step 6
Therefore, the answer is 3.218.
Step 1
Let us understand the definition of decimal fraction and decimals:

**Decimal fraction**: is a fraction whose denominator is a power of ten such as 10, 100, 1000 etc.

A **decimal number**, or just **decimal**, refers to any number written in decimal notation. In a number written in decimal notation, all digits to the left of the decimal point have face values more than one and those on the right of the decimal point have face values less than one.

Step 2
We should remember following facts about decimal numbers:

**Fact 1.** When a decimal number is multiplied by ten, the result is obtained by moving the decimal point to the right by one digit.

**Fact 2.** When a decimal number is divided by ten, the result is obtained by moving the decimal point to the left by one digit.

**Fact 3.** When a number does not have a decimal point, we can assume that there is a hidden decimal point to the right of the unit digit (right-most digit).

Step 3
Now, let us try to convert the decimal fraction 3397/100 to a decimal number.

Step 4
Here, the number 3397 is to be divided by 100. In other words we can say that 3397 is to be divided by 10 two times.

Step 5
In number 3397, the decimal point can be assumed to be hidden to the right of the unit digit. When it is divided by 10 two times, the decimal point will move two digits to the left. Hence the decimal number we get will be:

33.97

Step 6
Therefore, the answer is 33.97.
Step 1
Let us understand the definition of decimal fraction and decimals:

**Decimal fraction:** is a fraction whose denominator is a power of ten such as 10, 100, 1000 etc.

**A decimal number,** or just **decimal,** refers to any number written in decimal notation. In a number written in decimal notation, all digits to the left of the decimal point have face values more than one and those on the right of the decimal point have face values less than one.

Step 2
We should remember following facts about decimal numbers:

**Fact 1.** When a decimal number is multiplied by ten, the result is obtained by moving the decimal point to the right by one digit.

**Fact 2.** When a decimal number is divided by ten, the result is obtained by moving the decimal point to the left by one digit.

**Fact 3.** When a number does not have a decimal point, we can assume that there is a hidden decimal point to the right of the unit digit (right-most digit).

Step 3
Now, let us try to convert the decimal fraction 5982/100 to a decimal number.

Step 4
Here, the number 5982 is to be divided by 100. In other words we can say that 5982 is to be divided by 10 two times.

Step 5
In number 5982, the decimal point can be assumed to be hidden to the right of the unit digit. When it is divided by 10 two times, the decimal point will move two digits to the left. Hence the decimal number we get will be: 59.82

Step 6
Therefore, the answer is 59.82.
Step 1

94 \(\frac{58}{100}\) is a mixed fraction. A mixed fraction is a combination of a whole number and a proper fraction.

Step 2

In the mixed fraction \(94 \frac{58}{100}\), 94 is a whole number and \(\frac{58}{100}\) is a proper fraction.

Step 3

To convert the mixed fraction into decimal, we shall first convert the proper fraction \(\frac{58}{100}\) into a decimal number and add it to the whole number 94.

Step 4

The proper fraction \(\frac{58}{100}\) can be written as a decimal number as 0.58. Adding the whole number 94 to the decimal number 0.58, we get 94.58.

Step 5

Therefore, the answer is 94.58.
Step 1

$\frac{407}{1000}$ is a mixed fraction. A mixed fraction is a combination of a whole number and a proper fraction.

Step 2

In the mixed fraction $\frac{407}{1000}$, 6 is a whole number and $\frac{407}{1000}$ is a proper fraction.

Step 3

To convert the mixed fraction into decimal, we shall first convert the proper fraction $\frac{407}{1000}$ into a decimal number and add it to the whole number 6.

Step 4

The proper fraction $\frac{407}{1000}$ can be written as a decimal number as 0.407. Adding the whole number 6 to the decimal number 0.407, we get 6.407.

Step 5

Therefore, the answer is 6.407.
Step 1

\[
\frac{78}{100}
\]

is a mixed fraction. A mixed fraction is a combination of a whole number and a proper fraction.

Step 2

In the mixed fraction \( \frac{56}{100} \), 56 is a whole number and \( \frac{78}{100} \) is a proper fraction.

Step 3

To convert the mixed fraction into decimal, we shall first convert the proper fraction \( \frac{78}{100} \) into a decimal number and add it to the whole number 56.

Step 4

The proper fraction \( \frac{78}{100} \) can be written as a decimal number as 0.78. Adding the whole number 56 to the decimal number 0.78, we get 56.78.

Step 5

Therefore, the answer is 56.78.
**Step 1**

Let us understand the definition of decimal fraction and decimals:

**Decimal fraction**: is a fraction whose denominator is a power of ten such as 10, 100, 1000 etc.

**A decimal number**, or just **decimal**, refers to any number written in decimal notation. In a number written in decimal notation, all digits to the left of the decimal point have face values more than one and those on the right of the decimal point have face values less than one.

**Step 2**

We should remember following facts about decimal numbers:

**Fact 1.** When a decimal number is multiplied by ten, the result is obtained by moving the decimal point to the right by one digit.

**Fact 2.** When a decimal number is divided by ten, the result is obtained by moving the decimal point to the left by one digit.

**Fact 3.** When a number does not have a decimal point, we can assume that there is a hidden decimal point to the right of the unit digit (right-most digit).

**Step 3**

Now, let us try to convert the decimal fraction 4851/1000 to a decimal number.

**Step 4**

Here, the number 4851 is to be divided by 1000. In other words we can say that 4851 is to be divided by 10 three times.

**Step 5**

In number 4851, the decimal point can be assumed to be hidden to the right of the unit digit. When it is divided by 10 three times, the decimal point will move three digits to the left. Hence the decimal number we get will be:

4.851

**Step 6**

Therefore, the answer is 4.851.