

Mathematics-Application-5

Converting Between Fractions and Decimals and Vice-Versa

PRACTICE- Total Marks: 6

Read each word problem carefully, then solve. Check ALL answers thoroughly. **(Remember to place the decimal point in your answer where appropriate.)**

1a. Kenneth ordered one whole pizza from Mike's Pizza Parlor. He ate $\frac{3}{10}$ of the pizza. Convert this amount to a decimal.

Answer: _____ [1]



1b. His cousin Ellie ate $\frac{7}{10}$ of the pizza. Write seven tenths as a decimal.

Answer: _____ [1]

TIP: To convert a decimal to a fraction, **place the decimal number over its place value**. For example, in 0.6, the six is in the tenths place, so we place 6 over 10 to create the equivalent fraction, $\frac{6}{10}$. If needed, simplify the fraction. You can write a decimal for a fraction that has a denominator other than 10 or 100. To convert a fraction to a decimal, divide the numerator by the denominator.

2. Conrad used **twenty-three hundredths** of a teaspoon of salt in a recipe. Write the decimal:

(a) in standard form _____ [1]

(b) as a fraction _____ [1]



3. In a Poetry class $\frac{2}{5}$ of the students are females. Convert $\frac{2}{5}$ to a decimal.

Answer: _____ [2]