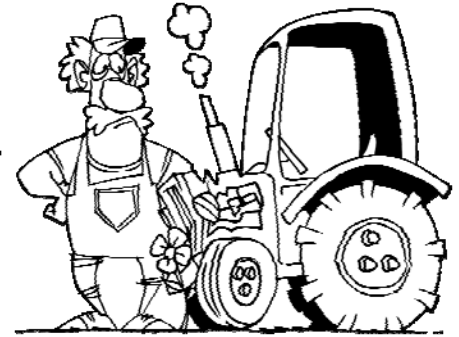


Name _____

Date _____

Decimals in Expanded Form Step-by-Step Lesson

Problem 1) Write the following number in expanded form: 59.284



Problem 2) Write the following in standard form: $80 + 5 + 0.8 + 0.07 + 0.002$

Explanation:

1) When converting a decimal to expanded form, just name each place value.

5	9	.	2	8	4
Tens	Ones	.	Tenths	Hundredths	Thousandths

Name each value that we diagramed above.

Answer: $50 + 9 + 0.2 + 0.08 + 0.004$

2) When changing a number from expanded to standard form, just combine the given values.

$80 + 5 + 0.8 + 0.07 + 0.002$

a) 85

b) 85.8

c) 85.87

d) 85.872

Answer: 85.872