

Name/Nombre: _____ Date/Fecha: _____

FCTG

Decimals

DECIMAL PLACE VALUE CHART

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Decimal point ↓	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths	Millionths
			1000s	100s	10s	1s	.	0.1s	0.01s	0.001s			

Example 1: Write each fraction in expanded form.

(1) $79.3 = 70 + 9 + 0.3$

(2) $32.07 =$ _____

(3) $5.39 =$ _____

(4) $2.485 =$ _____

Example 2: Find the value of the underlined digit.

(1) $61.\underline{8}3$

(2) $3.\underline{9}$

(3) $\underline{8},644.58$

(4) $2\underline{0}.4$

(5) $1\underline{5}2.42$

Example 3: Rewrite each fraction as a decimal with repeating line.

(1) $\frac{1}{3} = 0.33333333 \dots$

(2) $\frac{13}{11} = 1.18181818 \dots$

(3) $\frac{4}{15} = 0.26666666 \dots$

(4) $\frac{5}{7} = 0.714285714285714285 \dots$

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DO NOW!

1. Write in expanded form.

- 1) 9.2 _____
- 2) 62.45 _____
- 3) 63.857 _____
- 4) 10.002 _____

2. Write in stand form.

- 1) $10 + 5 + 0.7 + 0.05$ _____
- 2) $50 + 2 + 0.3 + 0.08 + 0.001$ _____
- 3) $70 + 6 + 0.8 + 0.02 + 0.006$ _____

3. Write the place value of the underlined digits.

- 1) 32.718 _____ 2) 0.5384 _____
- 3) 529.672 _____ 4) 0.686 _____
- 5) 25.684 _____ 6) 935.2502 _____
- 7) 76.625 _____ 8) 1.813 _____
- 9) 96.3215 _____ 10) 2.978 _____

4. Rewrite each fraction as a decimal with repeating line.

- (1) $\frac{5}{6} =$ _____ (2) $\frac{17}{9} = 1.888888888888 \dots$
- (3) $\frac{12}{11} = 1.090909090909 \dots$ (4) $\frac{16}{13} = 1.38461538461538 \dots$