

TOPIC: ROUNDING DECIMALS

Rounding Decimals

◆ Recall: When rounding, if the *next* digit is ____ 5, keep the rounding digit the **same**. If it's ____ 5, round **up** by 1.

► Round decimals just like whole numbers, but then _____ digits to the right of the rounding place.

Recall	Rounding Whole Numbers	New	Rounding Decimal Numbers
	9 8 6 Hundreds Tens Ones Round to the nearest Ten.		9 8 6 . 0 7 1 Hundreds Tens Ones Tenths Hundredths Thousandths Round to the nearest tenth.

EXAMPLE

Round each of the following decimal numbers below. *Note: A number with a bar on top means the digit repeats.*

(A) Round to nearest whole number.

$-2.\overline{3}$

(B) Round to nearest hundredth.

0.918

(C) Round to nearest thousandth.

3.279935

◆ When rounding ____ a 9, make the rounding digit 0 & increase the digit to the *left* by 1.

PRACTICE

Round to the nearest hundredth.

48.3862

PRACTICE

Round to the nearest thousandth.

6.92468

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PRACTICE

Round to the nearest tenth.

315.1847

EXAMPLE

Round each number to the nearest whole number.

(***A***) 84.528

(***B***) 1296.405

(***C***) −40.807

PRACTICE

Round the price below to the nearest cent.

\$48.476

PRACTICE

Round the price below to the nearest dollar.

\$1,296.51