

Rounding Decimals

Rewriting a number to a certain place value is called **rounding**. Look at the digit to the right of the place being rounded.

- If the digit to the right is *less than or equal to 4*, the digit being rounded stays the same.
- If the digit to the right is *greater than or equal to 5*, the digit being rounded increases by one.

The place-value chart below shows how to round 3.81 to the nearest one (or whole number).

Tens	Ones	Tenths	Hundredths	Thousandths
	3	.	8	1

- 3 is in the ones place
- 8 is to the right of 3
- $8 > 5$

So, 3.81 rounded to the nearest one (or whole number) is 4.

EXAMPLE

1 Round each number to the nearest one (or whole number).

a. 8.3

8.3 rounds to 8.

b. 9.6

9.6 rounds to 10.

EXAMPLE

2 Round each number to the nearest tenth.

a. 16.08

16.08 rounds to 16.1.

b. 29.54

29.54 rounds to 29.5.

EXAMPLE

3 Round each number to the nearest hundredth.

a. 50.345

50.345 rounds to 50.35.

b. 19.998

19.998 rounds to 20.00.