Math Online School

Rounding Decimals to the Nearest Tenth



Rounding to the Nearest Tenth

Round Down
If the digit in the hundredths place is 1, 2, 3, or 4, keep the tenths digit the same.

Round Up
If the digit in the hundredths place is 5, 6, 7, 8, or 9, add 1 to the tenths place.

Round to the nearest tenth.

0.23 ≈	0.48 ≈	0.54 ≈
0.71 ≈	0.80 ≈	0.27 ≈
0.351 ≈	0.466 ≈	0.2159 ≈

0.302 ≈	0.451 ≈	0.273 ≈
0.640 ≈	0.728 ≈	0.361 ≈
0.7025 ≈	0.4371 ≈	0.8252 ≈

0.7025 ≈	0.8564 ≈	0.3028 ≈
0.1009 ≈	0.9231 ≈	0.7322 ≈
0.5091 ≈	0.3706 ≈	0.0607 ≈

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If the digit in the hundredths place is 1, 2, 3, or 4, keep the tenths digit the same.

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If the digit in the hundredths place is 5, 6, 7, 8, or 9, add 1 to the tenths place.

Round to the nearest tenth.

0.23 ≈ 0.2	0.48 ≈ 0.5	0.54 ≈ 0.5
0.71 ≈ 0.7	0.80 ≈ 0.8	0.27 ≈ 0.3
0.351 ≈ 0.4	0.466 ≈ 0.5	0.2159 ≈ 0.2

0.302 ≈ 0.3	0.451 ≈ 0.5	0.273 ≈ 0.3
0.640 ≈ 0.6	0.728 ≈ 0.7	0.361 ≈ 0.4
0.7025 ≈ 0.7	0.4371 ≈ 0.4	0.8252 ≈ 0.8

0.7025 ≈ 0.7	0.8564 ≈ 0.9	0.3028 ≈ 0.3
0.1009 ≈ 0.1	0.9231 ≈ 0.9	0.7322 ≈ 0.7
0.5091 ≈ 0.5	0.3706 ≈ 0.4	0.0607 ≈ 0.1