

DEFINITION

Approximating a number to the closest number of lower, given accuracy.

CHARACTERISTICS

- Numbers are said to “round up” or “round down” depending on whether they get bigger or smaller
 - By convention, numbers halfway between two values are rounded up

Rounding

EXAMPLES

$$35400 \approx 35000$$

$$35700 \approx 36000$$

$$3.54 \approx 3.5 \quad 3.57 \approx 3.6$$

$$3.54 \approx 4 \quad 3.57 \approx 4$$

$$3.5 \approx 4 \quad 3.49 \approx 3 \quad 12.234 \approx 10$$

NON-EXAMPLES

$$35400 \not\approx 354$$

$$35400 \not\approx 350 \quad 35700 \not\approx 360$$

$$3.54 \not\approx 3.50 \quad 3.57 \not\approx 3.60$$

$$3.54 \not\approx 4.00 \quad 3.5 \not\approx 4.0$$

$$3.49 \not\approx 4 \quad 12.234 \not\approx 10.000$$