

NON-ZERO INTEGERS

1, 2, 3, 4, 5, 6, 7, 8, 9

Are _____ significant

Examples:

985 g

14 km

1.357 s

ZEROS

1. Captive Zeros

"trapped" between 2 non-zero integers

Are _____ significant

Example: 607 g

2. Leading Zeros

come before any integer (placeholders in a decimal)

Are _____ significant

Example: 0.00035 m

3. Trailing Zeros

Trail an integer at the end of a number; can be in a very large number or a decimal

Are _____ significant

Example: 2500 km 0.1230 km
2500 km 123.0 km

COUNTED NUMBERS AND DEFINED QUANTITIES

*Counted numbers are when you count a number.

*Defined quantities are usually used for unit conversions

Are _____ significant

Examples:

there are 12 eggs in a carton

there are 100 cm in 1 m

SCIENTIFIC NOTATION

All digits written in the base

Are _____ significant

Examples:

4.0×10^3 g

1.29×10^{-2} s

5.81×10^{41} atoms

Note: These panels can be cut out and used in a variety of different ways: as a flipbook, an accordion foldable, a booklet, etc.