MathFLIX CHALLENGE

Scientific Notation

Scientific notation is a way of expressing numbers that are either too big or too small to be easily written in standard or decimal form.

Use scientific notation to complete the following charts.

Body mass of animals

Creature	Mass in Milligrams	Scientific Notation
Spider	80	8×10^1
Hummingbird	2,000	2×10^3
Chicken	3,150,000	3.15×10^6
Human	70,000,000	_____
Elephant	6,300,000,000	_____
Whale	138,000,000,000	_____

Comparing Units of Time

Time Period		# of Seconds	Scientific Notation
1 minute	[1 x 60]	60	6×10^1
1 hour	[60 x 60]	3,600	3.6×10^3
1 day	[24 x 60 x 60]	_____	8.64×10^6
1 week	[28 x 24 x ...]	_____	_____
1 month			
(shortest)	[28 x 24 x ...]	_____	_____
(longest)	[31 x 24 x ...]	_____	_____
1 year			
(shortest)	[365 x 24 x ...]	_____	_____
(longest)	[366 x 24 x ...]	_____	_____