Powers of 10

Name _____ Date _____/_____/_____

1. Match the powers

Link the power of 10 with the correct number in standard orm

Power of 10	Standard form
10^1	100,000
10^2	10,000
10^3	100
10^4	1,000,000
10^5	10
10^6	1,000

2. A question of scale

This will test your knowledge of powers of 10 in scientific contexts. Are you able to judge the length of the physical objects, with sizes ranging from 1 metre to 10 million km? Use the index notation table to help you.

These cards have been jumbled up. Can you match them to the correct order of magnitude?

$10^9 - 10^{10}\ metres$	Distance of the Moon from Earth
$1 - 10\ metres$	Height of Mount Everest
$10^1 - 10^2\ metres$	Diameter of the Sun
$10^8 - 10^9\ metres$	Distance around the Earth at the Equator
$10^7 - 10^8\ metres$	Length of a blue whale
$10^3 - 10^4\ metres$	Height of an adult giraffe