

1 – 1. PATTERNS WITH EXPONENTS AND POWERS OF 10



Exercise 1. Drag the correct keyword to each box:

exponent

power

base

- a) The product that results from multiplying the same number over and over is a of that number.
- b) When a number is written using exponents, the is the number that is used as a factor.
- c) The is the number that tells how many times a base number is used as a factor.

Exercise 2. Complete the mass of the planets by filling in the boxes:

Planets	Mass (in kilograms)	
Mercury	330000 (22 zeros)	Example: 33×10^{22}
Venus	4870000 (22 zeros)	$\times 10^{\text{$
Earth	5970000 (22 zeros)	$\times 10^{\text{$
Mars	6420000 (22 zeros)	$\times 10^{\text{$
Uranus	8680000 (23 zeros)	$\times 10^{\text{$
Neptune	1020000 (24 zeros after digit 2)	$\times 10^{\text{$
Saturn	5680000 (24 zeros)	$\times 10^{\text{$
Jupiter	190000 (27 zeros)	$\times 10^{\text{$

