1. Place the following numbers in order from least to greatest:

$$7.8×10^{6}, 5.1×10^{4}, 1.25×10^{5}, 4.09×10^{4}$$

1. Which of the following numbers is the least?
	1. $7×10^{8}$
	2. $7×10^{9}$
	3. $7.1×10^{8}$
	4. $7.1×10^{9}$
2. Which of the following numbers is the greatest?
	1. $5.25×10^{5}$
	2. $5.55×10^{5}$
	3. $2.55×10^{5}$
	4. $5×10^{5}$
3. The diameter of the planet Mercury is $4.87×10^{3}$ kilometers. The diameter of the planet Venus is $1.21×10^{4}$ kilometers. The diameter of Earth is $1.28×10^{4}$ kilometers. The diameter of Mars is $6.79×10^{3}$ kilometers. Which planet has the smallest diameter?
	1. Mercury
	2. Venus
	3. Earth
	4. Mars
4. Order the following numbers from least to greatest:

$$6.8×10^{6}, 6×10^{6}, 6.6×10^{6}, 6.1×10^{6}$$

1. Which of these numbers is the least?
	1. $3.5×10^{7}$
	2. $3×10^{7}$
	3. $5×10^{7}$
	4. $5.5×10^{7}$
2. Which of these numbers is the greatest?
	1. $9×10^{9}$
	2. $9×10^{8}$
	3. $8×10^{9}$
	4. $8×10^{8}$
3. Order the following from greatest to least:

$$5×10^{-3}, 3.2×10^{-8}, 1.2×10^{-8}, 7×10^{-5}$$

1. Which of these numbers is the greatest?
	1. $5.406×10^{8}$
	2. $5.604×10^{9}$
	3. $5.504×10^{7}$
	4. $6.504×10^{8}$
2. Which of these numbers is the least?
	1. $9×10^{4}$
	2. $1.2×10^{5}$
	3. $3.01×10^{9}$
	4. $1.901×10^{4}$
3. Which of these numbers is the least?
	1. $1.246×10^{-2}$
	2. $3.28×10^{-3}$
	3. $1.65×10^{4}$
	4. $6.502×10^{-6}$
4. Which of these numbers is the greatest?
	1. $9×10^{-4}$
	2. $1.2×10^{1}$
	3. $3.01×10^{0}$
	4. $1.901×10^{-2}$
5. With the number $8.21×10^{-6}$ , what does the “-6” mean?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_