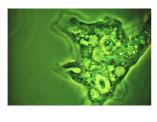
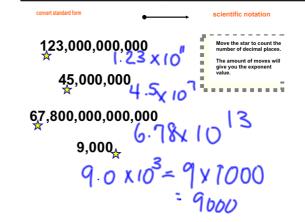
## **Scientific Notation**

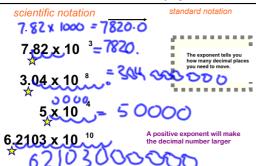




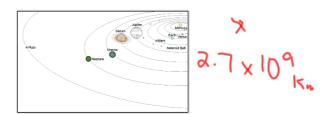
Scientific notation is used to write really big numbers.



Scientific notation is used to write really big numbers



As the planets orbit the sun, the closest Pluto get to Earth is approximately 2,700,000,000,km.

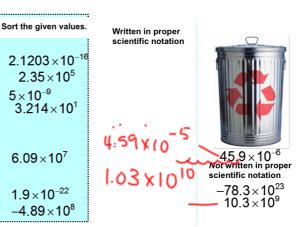


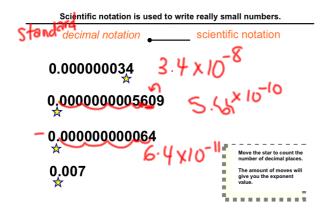
The speed of light in a vacuum is approximately 360,000,000 metres per second

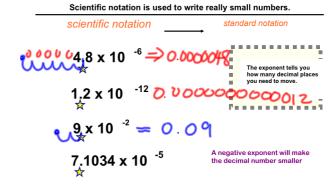
3.6 x/08 m/s

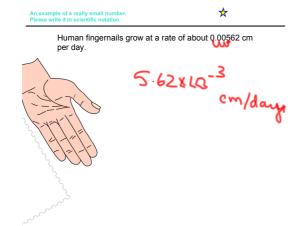
 $2.1203 \times 10^{-16}$  $2.35 \times 10^{5}$  $5\times10^{-9}$  $3.214 \times 10^{1}$  $6.09 \times 10^7$  $1.9 \times 10^{-22}$ 

 $-4.89 \times 10^{8}$ 





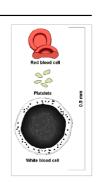




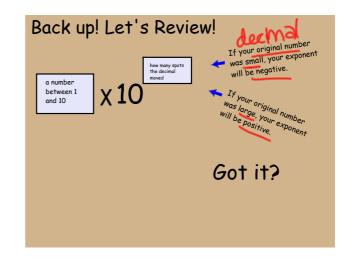
The thickness of a red blood cell is approximately 0,0003,125 of an inch.

3.125 ×10

3.13 ×10



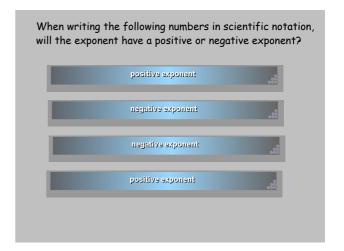
	ects (that have N ientific notation	
1.)		
2.)		The The
3.)		
4.)		
5.)		8
		200



When do you write a negative exponent when converting from standard form to scientific notation?

if value is less than 'I' When do you write a positive exponent when converting from standard form to scientific notation?

value is bogger than 10



Do Now - Activity

Get into a group 5.

Assign each group member to an index card.

Order the index cards in your group from least to greatest.

Be sure to discuss a reason why you have ordered the numbers this way.

 Extra Practice

 Rewrite the number represented in scientific notation in standard form.

 1.  $3.79 \times 10^5$  7,960,000,000

 2.  $2.5 \times 10^{-2}$  0.007485

 3.  $8.44 \times 10^1$  998.653

 5.  $3.589 \times 10^{-3}$  0.0000056388

