



- 1) If I divide this number by 10, it becomes **6500**.  
The digits move **one** place to the **right**.  
If I divide this number by 100, it becomes **650**.  
The digits move **two** places to the **right**.  
If I divide this number by 1000, it becomes **65**.  
The digits move **three** places to the **right**.
- 2) a) **234 decades**  
**8702 decades**
- b) **980 centuries**  
**8085 centuries**
- c) **95 millennia**  
**103 millennia**
- 3)  $4500 \div 100 = 45$   
 $6080 \div 10 = 608$   
 $805\ 000 \div 1000 = 805$



- 1) **Jason and Karla are both correct.**  
 $10 \times 10 = 100$   
Therefore, dividing by 10 twice is the same as what Karla is describing.
- 2) **Ages of the planets in years:**  
Juno - 3040  
Athena - 304 000  
Ceres - 608  
Vesta - 30 400  
Apollo - 304  
Vulcan - 608 000



- 1) **There are two solutions:**  
 $32\ 700 \div 1000 < 330\ 000 \div 10 > 35\ 000 \div 100$   
 $32\ 700 \div 100 < 330\ 000 \div 10 > 35\ 000 \div 1000$
- 2) **Possible solutions include the following:**  
A = 72 000 B = 450 000  
A = 95 000 B = 850 000  
A = 75 000 B = 420 000