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 ÷ ***100*** = 45
6080 ÷ 10 = 608
805 000 ÷ 1000 = ***805***

1) ***Jason and Karla are both correct.***
10 x 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 ÷ 1000 < 330 000 ÷ 10 > 35 000 ÷ 100
32 700 ÷ 100 < 330 000 ÷ 10 > 35 000 ÷ 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