1) What number is shown on the place value chart? _____

HTh	TTh	Th	H	T	O
	● ● ● ● ● ●	● ● ● ● ●			

Complete the sentences:

If I divide this number by 10, it becomes _____.

The digits move _____ place to the _____.

If I divide this number by 100, it becomes _____.

The digits move _____ places to the _____.

If I divide this number by 1000, it becomes _____.

The digits move _____ places to the _____.

2) **a)** How many decades are there in...

2340 years? _____

87 020 years? _____

b) How many centuries are there in...

98 000 years? _____

808 500 years? _____

c) How many millennia are there in...

95 000 years? _____

103 000 years? _____

3) 4500 ÷ _____ = 45

_____ ÷ 10 = 608

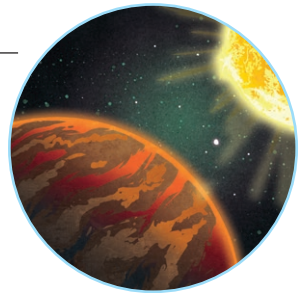805 000 ÷ 1000 = _____

1) Jason says,

"To divide by 100, I can divide by 10 and then divide by 10 again."

Karla disagrees and says that you just move the digits two places to the right.
Who do you agree with? Explain your thinking.

_____

_____

2) Using the clues below, can you work out the ages of these new planets?

- Vesta is 10 times younger than Athena.
- Athena is half the age of Vulcan.
- Juno is 100 times younger than Athena.
- Ceres is 1000 times younger than Vulcan.
- Vulcan is 608 000 years old.
- Apollo is 1000 times younger than Athena.

_____

_____

_____

_____

1) Insert each of the numbers, 10, 100 and 1000, to make this statement true.

32 700 ÷ _____ < 330 000 ÷ _____ > 35 000 ÷ _____

How many solutions are there?

_____

_____

2) A ÷ 100 > B ÷ 1000

What could the values of A and B be? Find 3 possible solutions.

_____

_____

_____