1) If I multiply this number by 10, it becomes 3190.

The digits move one place to the left.
If I multiply this number by 100, it becomes 31900.
The digits move two places to the left.
If I multiply this number by 1000, it becomes 319000.
The digits move three places to the left.
2)


1) Javine should have said that the digits move three places to the left. If you are multiplying a decimal number by 1000, for example, $2.5 \times 1000$, adding three zeros results in 2.5000 . If any columns on the right of the digits have become empty, they will need a place holder.

Kian's method is correct as $10 \times 10 \times 10=1000$. It is the same as multiplying by 1000 .
2) Juno - 102650 km , Athena - 10265 km , Ceres - 2053000 km , Vesta - 102650 km , Apollo - 1026500 km , Vulcan - 20530 km
3) $763 \times 10=7630$
$7630+250=7880$
She has travelled 7880 steps.

1) The crater is either 242 steps or 414 steps away from the shuttle.
2) Possible solutions include the following:
$A=320 \quad B=32$
$A=650 \quad B=65$
$A=850 \quad B=85$
( $B$ should be 10 times bigger than $A$. )
3) Possible solutions include the following:
$A=45 \quad B=44700$
$A=65 \quad B=64700$
$A=82 \quad B=81700$
