



Planet Problems

I can multiply whole numbers by 10, 100 and 1000.



- 1) Complete these sentences by choosing words from the box below.
You can use a word more than once if necessary.

To multiply by 10, we move each digit _____ place to the _____.

To multiply by 100, we move each digit _____ place to the _____.

To multiply by 1000, we move each digit _____ place to the _____.

| | | | |
|-----|-------|-------|------|
| one | left | three | two |
| | right | top | four |

- 2) Use your Digit Cards 0-9 and Million Place Value Grid to help you to multiply these numbers by 10, 100 and 1000.

a) $345 \times 10 =$ _____

b) $863 \times 10 =$ _____

c) $59 \times 100 =$ _____

d) $709 \times 10 =$ _____

e) $5 \times 1000 =$ _____

f) $92 \times 100 =$ _____

g) $814 \times 10 =$ _____

h) $900 \times 10 =$ _____

i) $64 \times 100 =$ _____

j) $9 \times 1000 =$ _____





Planet Problems **Answers**

| Question | Answer |
|----------|--|
| 1. | Complete these sentences by choosing words from the box below. You can use a word more than once if necessary. |
| | To multiply by 10, we move each digit <i>one</i> place to the <i>left</i> . To multiply by 100, we move each digit <i>two</i> places to the <i>left</i> . To multiply by 1000, we move each digit <i>three</i> places to the <i>left</i> . |
| 2. | Use your Digit Cards 0-9 and Million Place Value Grid to help you to multiply these numbers by 10, 100 and 1000. |
| a | $345 \times 10 = 3450$ |
| b | $863 \times 10 = 8630$ |
| c | $59 \times 100 = 5900$ |

| | |
|---|------------------------|
| d | $709 \times 10 = 7090$ |
| e | $5 \times 1000 = 5000$ |
| f | $92 \times 100 = 9200$ |
| g | $814 \times 10 = 8140$ |
| h | $900 \times 10 = 9000$ |
| i | $64 \times 100 = 6400$ |
| j | $9 \times 1000 = 9000$ |