

# Challenge

## Mount Multiply

The goal of this game is to climb the 10 levels of Mount Multiply and reach the peak.

Materials: index cards numbered 0–9

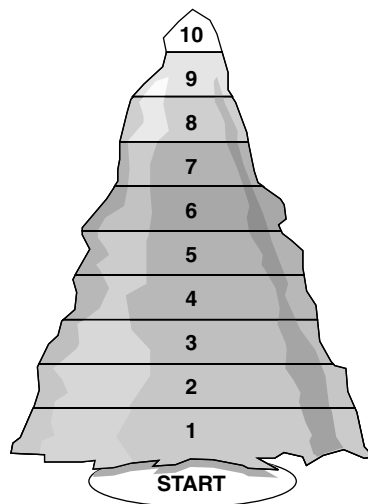
### Rules:

- You have 10 tries to reach the peak.
- Ten numbers are given to you below. For each number, pick a card from the shuffled deck of cards numbered 0–9 to find the multiplier.
- Multiply the given number by the one-digit multiplier.

If the product is less than 15,000, fall back one level. If the product is between 15,000 and 35,000, climb one level.

If the product is greater than 35,000, climb 3 levels.

### Mount Multiply



1.  $4,000 \times \underline{\quad} = \underline{\quad}$       2.  $1,000 \times \underline{\quad} = \underline{\quad}$

3.  $5,000 \times \underline{\quad} = \underline{\quad}$       4.  $3,000 \times \underline{\quad} = \underline{\quad}$

5.  $2,000 \times \underline{\quad} = \underline{\quad}$       6.  $7,000 \times \underline{\quad} = \underline{\quad}$

7.  $6,000 \times \underline{\quad} = \underline{\quad}$       8.  $8,000 \times \underline{\quad} = \underline{\quad}$

9.  $9,000 \times \underline{\quad} = \underline{\quad}$       10.  $10,000 \times \underline{\quad} = \underline{\quad}$

Did you make it to the peak of Mount Multiply? \_\_\_\_\_

If not, write in multipliers that you would need to get to the peak.

If so, decide whether it is possible to use only these 10 multiplication problems to get to the 12th level if there were one.

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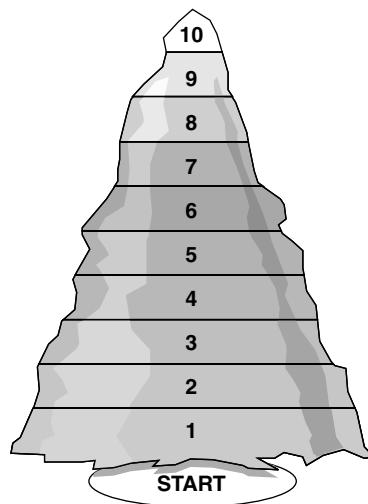
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**Check students' explanations.**

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