

# CAPTURE THE SNOW FORT

## Multiply by a power of 10 Decimals

### Instructions

Every player chooses a snowfort and a different colored pencil. The goal is to capture someone's snow fort by marking the most blocks on that snow fort.

The players roll two dice, (or spin the spinner for the google slides version twice) one for the green column and one for the purple column. They get two numbers to multiply, one of them a power of 10. They multiply the numbers and they find and mark the answer on one of the opponents' fort. You can mark answers on different forts one at each turn.(not yours).

If your answer is marked on all the opponents' forts you wait for your next turn.

As the game moves along the forts will have different colors of blocks marked. A fort is captured by the player with the most marked blocks on that fort. You can end the game when one player captures a fort or continue for the second or third.

### Remember

To multiply decimals we can turn them to fractions.

For example,

$$4.5 \times 0.1 = \frac{45}{10} \times \frac{1}{10} = \frac{45}{100} = 0.45$$

$$0.13 \times 100 = \frac{13}{100} \times 100 = 13$$

$$0.07 \times 10 = \frac{7}{100} \times 10 = \frac{70}{100} = 0.70$$

When dividing by 10, 100, 1000 and so on, move the decimal point to the left as many places as there are 0s.

The numbers is getting 10 times smaller with every move. Attach 0s after the decimal when you run out places to move the decimal.

When multiplying by 10, 100, 1000 and so on, move the decimal point to the right as many places as there are 0s. Attach 0s when you run out places to move the decimal. The number is getting 10 times bigger with every move and every 0.