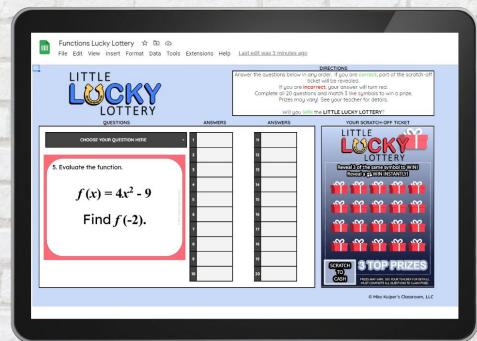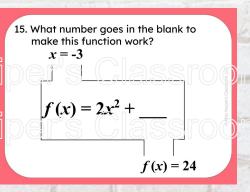# Functions Lucky Lottery

1. **Students answer 20 function problems.**

2. **If answered correctly, part of the ticket will be scratched off.**

3. **If a student answers incorrectly, the answer box will turn red.**

4. **Students win if 3 of the same images appear on the ticket. The odds are 1 of 4.**

Miss Kuiper's CLASSROOM

The problems are about evaluating functions. I created them with the intention to help students think flexibly about functions. Check out some of the problems:

2. What value of x makes this true?

$x = ?$

$$f(x) = \frac{x}{5}$$

$f(x) = 2$

5. Evaluate the function.

$$f(x) = 4x^2 - 9$$

Find $f(-2)$.

15. What number goes in the blank to make this function work?

$x = -3$

$$f(x) = 2x^2 + \underline{\quad}$$

$f(x) = 24$

13. Based on this function, what is $f(-2) + f(0)$?

$$f(x) = x^2 + 2x - 3$$

14. Evaluate the function.

If $f(x) = -12$, what is x?

$$f(x) = -3(6x - 2)$$

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