

Evaluating expressions for a given ~~variable~~
value

Connect

Basil's brother is twice as old as him, plus one year

I do

Evaluate $3x^2 - 10$ for $x = 4$

To attend the fair, it costs Mya's family \$4 for parking, plus each of her 6 family members must buy a ticket to enter. Write an expression that shows how much it will cost the family to go to the fair if tickets cost \$2.50?

We do

Evaluate $6(y-9) + 2$ for $y = 10$

To train for a race, Lenny is going to run 5 laps around the perimeter of his town. The town is rectangular. It is 1.7 miles long, and he doesn't know how wide it is. Write an expression that will show how far Lenny will run if the town is 1.5 miles wide?

**You do together
on whiteboard**

Evaluate $4x^2 + 8$ for $x = 2.5$

To ride in a taxi, it costs \$1.75 to start the ride, plus \$2.25 per mile. Write an expression that shows how much it costs to ride in the taxi for 3 miles.

**You do alone on
index card**

evaluate $50 - (3 + 3.5a)$ for $a = 6$

For her birthday, Claudia's grandmother always gives her money based on how old she is. Her grandmother divides her new age by 2, then adds \$10 to that number, and that's how much money she gives her.

Write an expression that shows how much money Claudia gets from her grandmother when she turns 11.