Write and Evaluate Algebraic Expressions

Write an algebraic expression for a situation and find its value.

Name _____ **Date** _____

Tonight's spark

A concert charges $12 for each ticket plus one $50 fee, paid once. Nobody knows how many tickets the family will buy. Can one short line show the cost?

Make a guess first: for 3 tickets, is the cost more or less than $80?

Tickets (t)	Cost: 12t + 50
1	62
2	74
3	?
4	98



+ 12

Our class model: a letter for the count

Try it

Work it out on paper. Write one answer on each line.

1 **In the expression 7n + 4, what is the coefficient?**

A. n **B.** 4 **C.** 7 **D.** 11

My answer _____

2 **In the expression 3k + 8, which part is the constant?**

A. 8 **B.** 3 **C.** k **D.** 11

My answer _____

3 **Which expression means "a number x increased by 6"?**

A. 6x **B.** x – 6 **C.** 6 – x **D.** x + 6

My answer _____

4 **Each notebook costs $3. Let n be the number of notebooks. Which expression gives the total cost?**

A. n + 3 **B.** 3n **C.** n ÷ 3 **D.** 3 – n

My answer _____

5 **What is the value of 4n + 1 when n = 5?**

A. 9 **B.** 20 **C.** 21 **D.** 46

My answer _____

6 **A movie ticket costs $9 and a drink costs $3. Which expression gives the cost of t tickets and one drink?**

A. 9 + 3t **B.** 9t + 3 **C.** 12t **D.** 9t + 3t

My answer _____

Talk about it

What does the letter stand for, and which number is multiplied by it?

Home mission

Pick a price from a ticket stub or a menu, like $8, and a one-time fee, like $10. Ask your student for the cost of 2 tickets, then 5. What stays the same? What changes?

If we get stuck, ask

- What key word do you see? Does it tell us to add, subtract, or multiply?
- Which number stays the same no matter what, and which one changes?
- Let's read the phrase out loud and write it one piece at a time.

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/6-5/homework.html

How did it feel? (optional)

Tricky Getting there Got it