

Writing Algebra

Write an expression for each scenario.

1. Jenny has twice the amount of tomatoes as Henry has. If t = the number of tomatoes Henry has, how many tomatoes does Jenny have?
2. The team scored four fewer points today than yesterday. If p = the number of points the team scored today, how many points did it score yesterday?
3. Yuri biked three times as far yesterday than he did today. If d = the distance he traveled yesterday, how far did he travel today?
4. Your turn! Make up a scenario that fits the expression $t + 12$. Make sure to define the variable, as shown in questions 1–3.

Write an equation for each scenario, and solve each problem. Then, using either words or pictures, describe how you solved it.

5. Michael earned some money yesterday and earned twice that amount today. In all, he earned \$15. How much did he earn yesterday?

6. Ms. F's English class has 31 students. This is one more than three times the number of students in Mr. X's computer science class. How many students are in Mr. X's class?

7. A regular pentagon has a perimeter of 65 cm. How long is each side?

8. Ella, Fiona, and Gabino are keeping track of how many pages they read each week. This week, Fiona read 20 fewer pages than Ella, and Gabino read 17 more pages than Ella. In all, they read 180 pages. How many pages did each of them read?

9. Your turn! Design a story problem like the ones in questions 5–8. Then give it to your partner to solve.