

Puzzle 2-3

Simplifying Algebraic Expressions

Find the number described by each clue. Then fill in the puzzle so that all of the digits match correctly.

1. One-seventh of the mileage on my car is 11,232. Find the mileage.

2. If you multiply a number by 9 and add 16 the result is 250. Find the number.

3. If you double a number and then add 54, the result is 1,000. Find the number.

4. If you subtract -46 from twice a number, the result is 548. Find the number.

5. The sum of two consecutive even integers is 546. Find the smaller integer.

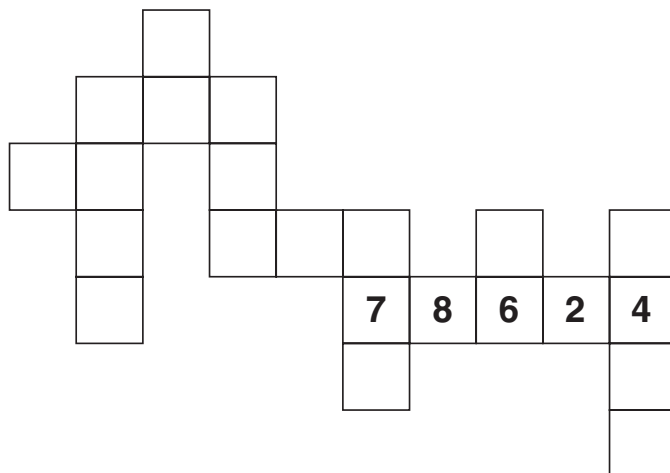
6. If you triple a number and then subtract 17, the result is 64. Find the number.

7. If you add one half a number to itself, you get 3,003. Find the number.

8. The perimeter of a triangle is 465 cm. The lengths of the sides are consecutive integers. Find the length of the smallest side.

9. The perimeter of a rectangular pig pen is 310 ft. The length is 5 ft greater than the width. Find the length.

10. If you add 2 to four times the length (in kilometers) of the Amazon river, the result is 25,750. Find the length of the river.



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