

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

## Writing Algebraic Expressions from Word Problems

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Write an algebraic expression for the answer of each problem.

1. Mr Swann had  $x$  students in his class. One day 4 students left and the very next day 8 students joined. How many students are now present in his class?

\_\_\_\_\_

2. Amelia had 18 needles in her sewing box. She lost  $p$  of them. How many needles are still left with her?

\_\_\_\_\_

3. In a zoo, there are  $z$  number of lions.  $\frac{3}{5}$  of the lions are male. How many of them are male lions?

\_\_\_\_\_

4. The total distance between your house and the school is 28 km. Starting from your house what is the distance left to be covered if you have already covered  $x$  km?

\_\_\_\_\_

5. Two-fifth of a certain number when decreased by 5, gives you the result you desire. Write an expression for the same.

\_\_\_\_\_

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### Answers

1. Mr Swann had  $x$  students in his class. One day 4 students left and the very next day 8 students joined. How many students are now present in his class?

$$\underline{x - 4 + 8}$$

2. Amelia had 18 needles in her sewing box. She lost  $p$  of them. How many needles are still left with her?

$$\underline{18 - p}$$

3. In a zoo, there are  $z$  number of lions.  $\frac{3}{5}$  of the lions are male. How many of them are male lions?

$$\underline{\frac{3}{5}z}$$

4. The total distance between your house and the school is 28 km. Starting from your house what is the distance left to be covered if you have already covered  $x$  km?

$$\underline{(28 - x)\text{km}}$$

5. Two-fifth of a certain number when decreased by 5, gives you the result you desire. Write an expression for the same.

$$\underline{\frac{2}{5}x - 5}$$