

# Two Step Equation Word Problems for Integers

1. A third of Mary's age plus 5 years equals 9. What is her age?

Ans: \_\_\_\_\_

2. John spent  $\frac{3}{5}$  of his money on a video game and has \$15 left. How much money did he have initially?

Ans: \_\_\_\_\_

3. The sum of two consecutive integers is  $17\frac{1}{2}$ . Find the integers.

Ans: \_\_\_\_\_

4. Karen baked a cake and ate  $\frac{3}{4}$  of it. If the remaining cake is  $\frac{1}{8}$  of the original, how much was the entire cake?

Ans: \_\_\_\_\_

5. A car travels at  $\frac{2}{3}$  of its original speed for 150 miles. If it took 5 hours, what is its original speed?

Ans: \_\_\_\_\_

6. A tank contains  $\frac{4}{5}$  gallon of water. After adding  $\frac{1}{4}$  gallon, it's filled to  $\frac{7}{8}$  capacity. How much can the tank hold?

Ans: \_\_\_\_\_

7. A box of candy has  $\frac{3}{5}$  of its original number. If there are 24 candies left, how many were there initially?

Ans: \_\_\_\_\_

8. A contractor completed  $\frac{1}{6}$  of a project in 4 days. How long will it take to finish the whole project?

Ans: \_\_\_\_\_

9. To paint a room, Alex can paint  $\frac{1}{2}$  of it in 3 hours. How long will it take to paint the entire room alone?

Ans: \_\_\_\_\_

10. The sum of two fractions is  $\frac{5}{6}$ , and one of the fractions is  $\frac{1}{4}$ . Find the other fraction.

Ans: \_\_\_\_\_