

# Word Problem Equations

Grades 7-8 • Translating word problems into equations and solving

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

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

1. Three times a number equals 21. What is the number?

Answer: \_\_\_\_\_

2. Three times a number equals 12. What is the number?

Answer: \_\_\_\_\_

3. Sarah has 19 more stickers than Tom. If Sarah has 24 stickers, how many does Tom have?

Answer: \_\_\_\_\_

4. A number divided by 8 equals 15. What is the number?

Answer: \_\_\_\_\_

5. A number increased by 13 equals 39. What is the number?

Answer: \_\_\_\_\_

6. Three times a number equals 15. What is the number?

Answer: \_\_\_\_\_

7. A number divided by 7 equals 12. What is the number?

Answer: \_\_\_\_\_

8. A number increased by 1 equals 16. What is the number?

Answer: \_\_\_\_\_

9. Three times a number equals 21. What is the number?

Answer: \_\_\_\_\_

10. Sarah has 16 more stickers than Tom. If Sarah has 32 stickers, how many does Tom have?

Answer: \_\_\_\_\_

---

Generated by PEMDAS Pathway • June 18, 2026

## Answer Key

1.	Three times a number equals 21. What is the number?	<b>7</b>
2.	Three times a number equals 12. What is the number?	<b>4</b>
3.	Sarah has 19 more stickers than Tom. If Sarah has 24 stickers, how many does Tom have?	<b>5</b>
4.	A number divided by 8 equals 15. What is the number?	<b>120</b>
5.	A number increased by 13 equals 39. What is the number?	<b>26</b>
6.	Three times a number equals 15. What is the number?	<b>5</b>
7.	A number divided by 7 equals 12. What is the number?	<b>84</b>
8.	A number increased by 1 equals 16. What is the number?	<b>15</b>
9.	Three times a number equals 21. What is the number?	<b>7</b>
10.	Sarah has 16 more stickers than Tom. If Sarah has 32 stickers, how many does Tom have?	<b>16</b>