

6.EE.7 — Writing & Solving Equations: Real-World Practice

Expressions & Equations • Grade 6 • Word Problems • Set B • CCSS 6.EE.7

Name: _____

Date: _____

Read each word problem, write an equation of the form $x + p = q$ or $px = q$, and solve for x .

1. A science teacher divided 70 students equally into lab groups of 5 students each. How many lab groups were formed?

2. A school store sells notebooks for \$5 each. Ava spent \$45 on notebooks. How many notebooks did Ava buy?

3. Xavier saved some money over the summer, then spent \$23 on a book, leaving \$34. How much money did Xavier save?

4. Noah is saving up to buy a bicycle that costs \$130. Noah has already saved \$114. How much more money does Noah need to save?

5. A baker made some muffins and arranged them equally onto 4 trays. Each tray held 7 muffins. How many muffins did the baker make in all?

6. A movie theater sold tickets for \$14 each. At the end of the day, the theater collected \$266 from ticket sales. How many tickets were sold?

7. Zane had some trading cards. After a friend gave Zane 18 more trading cards, Zane had 79 trading cards in total. How many trading cards did Zane start with?

8. A school ordered some boxes of pencils. Each box contains 6 pencils. If the school received 66 pencils in total, how many boxes were ordered?

9. Felix collected cans for a drive. After giving away 26 cans, Felix had 29 cans left. How many cans did Felix start with?

10. A rope is cut into 10 equal pieces. Each piece is 9 feet long. What was the total length of the rope before it was cut?

11. Hana walked some miles on Saturday, then 6 more miles on Sunday, covering a total of 22 miles over the weekend. How many miles did Hana walk on Saturday?

12. A chef uses 4 cups of flour for each batch of bread. If the chef used 60 cups of flour in one week, how many batches of bread did the chef make?

13. A rectangular garden has a length of 12 feet. If the area of the garden is 60 square feet, what is the width of the garden?

14. A science teacher divided 36 students equally into lab groups of 6 students each. How many lab groups were formed?

15. A school store sells notebooks for \$5 each. Carla spent \$60 on notebooks. How many notebooks did Carla buy?

16. Xavier saved some money over the summer, then spent \$20 on a book, leaving \$54. How much money did Xavier save?

17. Willa is saving up to buy a guitar that costs \$148. Willa has already saved \$53. How much more money does Willa need to save?

18. A baker made some muffins and arranged them equally onto 7 trays. Each tray held 12 muffins. How many muffins did the baker make in all?

19. A movie theater sold tickets for \$14 each. At the end of the day, the theater collected \$518 from ticket sales. How many tickets were sold?

20. Maya had some stickers. After a friend gave Maya 20 more stickers, Maya had 33 stickers in total. How many stickers did Maya start with?

21. A school ordered some boxes of pencils. Each box contains 11 pencils. If the school received 143 pencils in total, how many boxes were ordered?

22. Grace collected cookies for a drive. After giving away 39 cookies, Grace had 51 cookies left. How many cookies did Grace start with?

Answer Key

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|---------------------|------------------|-----------------|
| 1. 14 groups | 9. 55 cans | 17. \$95 |
| 2. 9 notebooks | 10. 90 feet | 18. 84 muffins |
| 3. \$57 | 11. 16 miles | 19. 37 tickets |
| 4. \$16 | 12. 15 batches | 20. 13 stickers |
| 5. 28 muffins | 13. 5 feet | 21. 13 boxes |
| 6. 19 tickets | 14. 6 groups | 22. 90 cookies |
| 7. 61 trading cards | 15. 12 notebooks | |
| 8. 11 boxes | 16. \$74 | |