

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

Expressions & Equations • Grade 6 • Word Problems • Set C • 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. Sam is saving up to buy a bicycle that costs \$92. Sam has already saved \$20. How much more money does Sam need to save?

2. A rope is cut into 6 equal pieces. Each piece is 6 feet long. What was the total length of the rope before it was cut?

3. Uma walked some miles on Saturday, then 7 more miles on Sunday, covering a total of 12 miles over the weekend. How many miles did Uma walk on Saturday?

4. A baker made some muffins and arranged them equally onto 5 trays. Each tray held 12 muffins. How many muffins did the baker make in all?

5. A rectangular garden has a length of 10 feet. If the area of the garden is 110 square feet, what is the width of the garden?

6. A movie theater sold tickets for \$15 each. At the end of the day, the theater collected \$465 from ticket sales. How many tickets were sold?

7. A science teacher divided 40 students equally into lab groups of 5 students each. How many lab groups were formed?

8. A school ordered some boxes of pencils. Each box contains 11 pencils. If the school received 132 pencils in total, how many boxes were ordered?

9. Xavier saved some money over the summer, then spent \$38 on a book, leaving \$78. How much money did Xavier save?

10. Noah collected books for a drive. After giving away 31 books, Noah had 36 books left. How many books did Noah start with?

11. Zane had some seashells. After a friend gave Zane 22 more seashells, Zane had 34 seashells in total. How many seashells did Zane start with?

12. A chef uses 4 cups of flour for each batch of bread. If the chef used 40 cups of flour in one week, how many batches of bread did the chef make?

13. A school store sells notebooks for \$3 each. Yara spent \$18 on notebooks. How many notebooks did Yara buy?

14. Omar is saving up to buy a skateboard that costs \$63. Omar has already saved \$45. How much more money does Omar need to save?

15. A rope is cut into 10 equal pieces. Each piece is 12 feet long. What was the total length of the rope before it was cut?

16. Ivan walked some miles on Saturday, then 6 more miles on Sunday, covering a total of 21 miles over the weekend. How many miles did Ivan walk on Saturday?

17. A baker made some muffins and arranged them equally onto 9 trays. Each tray held 7 muffins. How many muffins did the baker make in all?

18. A rectangular garden has a length of 11 feet. If the area of the garden is 55 square feet, what is the width of the garden?

19. A movie theater sold tickets for \$14 each. At the end of the day, the theater collected \$280 from ticket sales. How many tickets were sold?

20. A science teacher divided 80 students equally into lab groups of 8 students each. How many lab groups were formed?

21. A school ordered some boxes of pencils. Each box contains 8 pencils. If the school received 72 pencils in total, how many boxes were ordered?

22. Hana saved some money over the summer, then spent \$10 on a book, leaving \$36. How much money did Hana save?

Answer Key

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|---------------|------------------|----------------|
| 1. \$72 | 9. \$116 | 17. 63 muffins |
| 2. 36 feet | 10. 67 books | 18. 5 feet |
| 3. 5 miles | 11. 12 seashells | 19. 20 tickets |
| 4. 60 muffins | 12. 10 batches | 20. 10 groups |
| 5. 11 feet | 13. 6 notebooks | 21. 9 boxes |
| 6. 31 tickets | 14. \$18 | 22. \$46 |
| 7. 8 groups | 15. 120 feet | |
| 8. 12 boxes | 16. 15 miles | |