Cotuz

Name: Date:

Multiplicative Comparison and Multistep Word Problems

Grade 4 · Ages 9-10 · Math · Arithmetic · ★☆

Solve each comparison problem. Write the number sentence and the answer on the line.

1. Ola plants 12 balls. Liam plants 5 times as many balls. How many balls does Liam plant?

_____

2. Dev has 11 pencils. Ayesha has 3 times as many pencils as Dev. How many pencils does Ayesha have?

_____

3. A class library has 9 buttons. The school library has 4 times as many buttons. How many buttons does the school library have?

_____

4. Priya plants 5 beads. Sana plants 6 times as many beads. How many beads does Sana plant?

_____

5. Lin has 12 photos. Kenji has 4 times as many photos as Lin. How many photos does Kenji have?

_____

6. A class library has 8 cookies. The school library has 5 times as many cookies. How many cookies does the school library have?

_____

7. Hiro plants 6 mangoes. Aarav plants 2 times as many mangoes. How many mangoes does Aarav plant?

_____

8. Rohan has 8 cards. Ishaan has 2 times as many cards as Rohan. How many cards does Ishaan have?

_____

9. A class library has 11 plants. The school library has 6 times as many plants. How many plants does the school library have?

_____

10. Tariq plants 5 stickers. Ananya plants 3 times as many stickers. How many stickers does Ananya plant?

_____

11. Amara has 21 cups. That is 3 times as many cups as Jamal has. How many cups does Jamal have?

_____

12. Kai reads 5 pages. Fatima reads 20 pages. How many times as many pages does Fatima read?

_____

13. Zara has 20 eggs. Diego has 40 eggs. How many times as many eggs does Diego have as Zara?

_____

14. Sam has 90 kites. That is 6 times as many kites as Arjun has. How many kites does Arjun have?

_____

15. Sofia reads 17 pages. Leila reads 85 pages. How many times as many pages does Leila read?

_____

16. The top shelf holds 72 bottles, 3 times as many as the bottom shelf. How many bottles does the bottom shelf hold?

_____

17. Yuki has 30 tiles. That is 3 times as many tiles as Omar has. How many tiles does Omar have?

_____

18. Chloe reads 23 pages. Nadia reads 115 pages. How many times as many pages does Nadia read?

_____

19. Noah has 15 books. Lena has 90 books. How many times as many books does Lena have as Noah?

_____

20. Ravi has 30 chairs. That is 6 times as many chairs as Maya has. How many chairs does Maya have?

_____

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ANSWER KEY

Multiplicative Comparison and Multistep Word Problems

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1. Ola plants 12 balls. Liam plants 5 times as many balls. How many balls does Liam plant?

   Answer: 12 × 5 = 60

2. Dev has 11 pencils. Ayesha has 3 times as many pencils as Dev. How many pencils does Ayesha have?

   Answer: 11 × 3 = 33

3. A class library has 9 buttons. The school library has 4 times as many buttons. How many buttons does the school library have?

   Answer: 9 × 4 = 36

4. Priya plants 5 beads. Sana plants 6 times as many beads. How many beads does Sana plant?

   Answer: 5 × 6 = 30

5. Lin has 12 photos. Kenji has 4 times as many photos as Lin. How many photos does Kenji have?

   Answer: 12 × 4 = 48

6. A class library has 8 cookies. The school library has 5 times as many cookies. How many cookies does the school library have?

   Answer: 8 × 5 = 40

7. Hiro plants 6 mangoes. Aarav plants 2 times as many mangoes. How many mangoes does Aarav plant?

   Answer: 6 × 2 = 12

8. Rohan has 8 cards. Ishaan has 2 times as many cards as Rohan. How many cards does Ishaan have?

Answer: 8 × 2 = 16

9. A class library has 11 plants. The school library has 6 times as many plants. How many plants does the school library have?

Answer: 11 × 6 = 66

10. Tariq plants 5 stickers. Ananya plants 3 times as many stickers. How many stickers does Ananya plant?

Answer: 5 × 3 = 15

11. Amara has 21 cups. That is 3 times as many cups as Jamal has. How many cups does Jamal have?

Answer: 21 ÷ 3 = 7

12. Kai reads 5 pages. Fatima reads 20 pages. How many times as many pages does Fatima read?

Answer: 20 ÷ 5 = 4

13. Zara has 20 eggs. Diego has 40 eggs. How many times as many eggs does Diego have as Zara?

Answer: 40 ÷ 20 = 2

14. Sam has 90 kites. That is 6 times as many kites as Arjun has. How many kites does Arjun have?

Answer: 90 ÷ 6 = 15

15. Sofia reads 17 pages. Leila reads 85 pages. How many times as many pages does Leila read?

Answer: 85 ÷ 17 = 5

16. The top shelf holds 72 bottles, 3 times as many as the bottom shelf. How many bottles does the bottom shelf hold?

Answer: 72 ÷ 3 = 24

17. Yuki has 30 tiles. That is 3 times as many tiles as Omar has. How many tiles does Omar have?

Answer: 30 ÷ 3 = 10

18. Chloe reads 23 pages. Nadia reads 115 pages. How many times as many pages does Nadia read?

Answer: 115 ÷ 23 = 5

19. Noah has 15 books. Lena has 90 books. How many times as many books does Lena have as Noah?

Answer: 90 ÷ 15 = 6

20. Ravi has 30 chairs. That is 6 times as many chairs as Maya has. How many chairs does Maya have?

Answer: 30 ÷ 6 = 5