Cotuz

Name: Date:

Multiplicative Comparison and Multistep Word Problems

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

Solve each problem in two steps. Write both number sentences and the final answer on the line.

1. A cycling route is 922 km long. Sofia rides 14 km a day for 3 days. How many km are left to ride?

_____

2. A tray holds 9 rows of 5 apples. How many apples are on 3 trays?

_____

3. Sana brings 12 packs of marbles to school. Each pack has 8 marbles. Sana gives out 8 marbles. How many marbles are left?

_____

4. Elena has 10 mangoes. Elena gets 14 boxes with 49 mangoes in each box. How many mangoes does Elena have now?

_____

5. A floor has 36 rows of 34 tiles, and 44 more tiles are added along the edge. How many tiles are there in all?

_____

6. A hall has 985 seats. 11 classes of 21 students sit down. How many seats are still empty?

_____

7. A library has 6 shelves with 19 books on each shelf. 49 books are on loan. How many books are on the shelves?

_____

8. A tray holds 12 rows of 11 cards. How many cards are on 7 trays?

_____

9. A school collects 85 photos on Monday and 70 photos on Tuesday. The photos are packed equally into 5 boxes. How many photos are in each box?

_____

10. There are 344 plants shared equally among 8 children. Then each child gets 11 more. How many plants does each child have now?

_____

11. A baker makes 215 eggs. 11 are kept for the shop and the rest are packed equally into 6 boxes. How many eggs go in each box?

_____

12. A van carries 6 seeds on each trip. There are 311 seeds to move. How many full trips can the van make?

_____

13. There are 245 buttons to pack. A bag holds 10 buttons. How many full bags can be packed?

_____

14. A baker makes 963 kites. 32 are kept for the shop and the rest are packed equally into 7 boxes. How many kites go in each box?

_____

15. Sam packs 387 muffins equally into 9 bags, then adds 17 more muffins to each bag. How many muffins are in each bag now?

_____

16. Mateo has 36 pencils and Ayesha has 66 pencils. They put them together and share them equally among 3 friends. How many pencils does each friend get?

_____

17. A librarian places 360 cups equally on 9 shelves. Then 9 more cups are put on each shelf. How many cups are on each shelf now?

_____

18. Chloe has 936 oranges. Chloe keeps 20 and shares the rest equally among 4 friends. How many oranges does each friend get?

_____

19. Fatima has 96 chairs and Ravi has 69 chairs. They put them together and share them equally among 5 friends. How many chairs does each friend get?

_____

20. Priya has 284 tiles. Each box holds 5 tiles. How many full boxes can Priya fill?

_____

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ANSWER KEY

Multiplicative Comparison and Multistep Word Problems

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1. A cycling route is 922 km long. Sofia rides 14 km a day for 3 days. How many km are left to ride?

   Answer: 3 × 14 = 42; 922 − 42 = 880

2. A tray holds 9 rows of 5 apples. How many apples are on 3 trays?

   Answer: 9 × 5 = 45; 45 × 3 = 135

3. Sana brings 12 packs of marbles to school. Each pack has 8 marbles. Sana gives out 8 marbles. How many marbles are left?

   Answer: 12 × 8 = 96; 96 − 8 = 88

4. Elena has 10 mangoes. Elena gets 14 boxes with 49 mangoes in each box. How many mangoes does Elena have now?

   Answer: 14 × 49 = 686; 686 + 10 = 696

5. A floor has 36 rows of 34 tiles, and 44 more tiles are added along the edge. How many tiles are there in all?

   Answer: 36 × 34 = 1,224; 1,224 + 44 = 1,268

6. A hall has 985 seats. 11 classes of 21 students sit down. How many seats are still empty?

   Answer: 11 × 21 = 231; 985 − 231 = 754

7. A library has 6 shelves with 19 books on each shelf. 49 books are on loan. How many books are on the shelves?

   Answer: 6 × 19 = 114; 114 − 49 = 65

8. A tray holds 12 rows of 11 cards. How many cards are on 7 trays?

Answer: 12 × 11 = 132; 132 × 7 = 924

9. A school collects 85 photos on Monday and 70 photos on Tuesday. The photos are packed equally into 5 boxes. How many photos are in each box?

Answer: 85 + 70 = 155; 155 ÷ 5 = 31

10. There are 344 plants shared equally among 8 children. Then each child gets 11 more. How many plants does each child have now?

Answer: 344 ÷ 8 = 43; 43 + 11 = 54

11. A baker makes 215 eggs. 11 are kept for the shop and the rest are packed equally into 6 boxes. How many eggs go in each box?

Answer: 215 − 11 = 204; 204 ÷ 6 = 34

12. A van carries 6 seeds on each trip. There are 311 seeds to move. How many full trips can the van make?

Answer: 311 ÷ 6 = 51 remainder 5; 51 full

13. There are 245 buttons to pack. A bag holds 10 buttons. How many full bags can be packed?

Answer: 245 ÷ 10 = 24 remainder 5; 24 full

14. A baker makes 963 kites. 32 are kept for the shop and the rest are packed equally into 7 boxes. How many kites go in each box?

Answer: 963 − 32 = 931; 931 ÷ 7 = 133

15. Sam packs 387 muffins equally into 9 bags, then adds 17 more muffins to each bag. How many muffins are in each bag now?

Answer: 387 ÷ 9 = 43; 43 + 17 = 60

16. Mateo has 36 pencils and Ayesha has 66 pencils. They put them together and share them equally among 3 friends. How many pencils does each friend get?

Answer: 36 + 66 = 102; 102 ÷ 3 = 34

17. A librarian places 360 cups equally on 9 shelves. Then 9 more cups are put on each shelf. How many cups are on each shelf now?

Answer: 360 ÷ 9 = 40; 40 + 9 = 49

18. Chloe has 936 oranges. Chloe keeps 20 and shares the rest equally among 4 friends. How many oranges does each friend get?

Answer: 936 − 20 = 916; 916 ÷ 4 = 229

19. Fatima has 96 chairs and Ravi has 69 chairs. They put them together and share them equally among 5 friends. How many chairs does each friend get?

Answer: 96 + 69 = 165; 165 ÷ 5 = 33

20. Priya has 284 tiles. Each box holds 5 tiles. How many full boxes can Priya fill?

Answer: 284 ÷ 5 = 56 remainder 4; 56 full