

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?

Multiplicative Comparison and Multistep Word Problems

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

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: $3 \times 14 = 42$; $922 - 42 = 880$

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

Answer: $9 \times 5 = 45$; $45 \times 3 = 135$

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: $12 \times 8 = 96$; $96 - 8 = 88$

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

Answer: $14 \times 49 = 686$; $686 + 10 = 696$

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: $36 \times 34 = 1,224$; $1,224 + 44 = 1,268$

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

Answer: $11 \times 21 = 231$; $985 - 231 = 754$

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: $6 \times 19 = 114$; $114 - 49 = 65$

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

Answer: $12 \times 11 = 132$; $132 \times 7 = 924$

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: $85 + 70 = 155$; $155 \div 5 = 31$

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: $344 \div 8 = 43$; $43 + 11 = 54$

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: $215 - 11 = 204$; $204 \div 6 = 34$

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

Answer: $311 \div 6 = 51$ remainder 5; 51 full

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

Answer: $245 \div 10 = 24$ 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: $963 - 32 = 931$; $931 \div 7 = 133$

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: $387 \div 9 = 43$; $43 + 17 = 60$

- 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: $36 + 66 = 102$; $102 \div 3 = 34$

- 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: $360 \div 9 = 40$; $40 + 9 = 49$

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

Answer: $936 - 20 = 916$; $916 \div 4 = 229$

- 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: $96 + 69 = 165$; $165 \div 5 = 33$

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

Answer: $284 \div 5 = 56$ remainder 4; 56 full