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 box holds 10 pencils. A crate holds 5 boxes. How many pencils are in 7 crates?

_____

2. A book has 1,205 pages. Sana reads 9 pages a day for 4 days. How many pages are left to read?

_____

3. A floor has 39 rows of 22 tiles, and 41 more tiles are added along the edge. How many tiles are there in all?

_____

4. A library has 3 shelves with 19 books on each shelf. 34 books are on loan. How many books are on the shelves?

_____

5. A book has 138 pages. Jamal reads 14 pages a day for 7 days. How many pages are left to read?

_____

6. A floor has 6 rows of 37 tiles, and 6 more tiles are added along the edge. How many tiles are there in all?

_____

7. A library has 12 shelves with 16 books on each shelf. 112 books are on loan. How many books are on the shelves?

_____

8. A tray holds 11 rows of 10 apples. How many apples are on 4 trays?

_____

9. There are 210 buttons shared equally among 7 children. Then each child gets 19 more. How many buttons does each child have now?

_____

10. A van carries 8 cookies on each trip. There are 267 cookies to move. How many full trips can the van make?

_____

11. A school collects 112 cups on Monday and 92 cups on Tuesday. The cups are packed equally into 6 boxes. How many cups are in each box?

_____

12. Amara has 73 muffins. Amara keeps 23 and shares the rest equally among 5 friends. How many muffins does each friend get?

_____

13. A van carries 11 chairs on each trip. There are 342 chairs to move. How many full trips can the van make?

_____

14. A school collects 114 stickers on Monday and 21 stickers on Tuesday. The stickers are packed equally into 3 boxes. How many stickers are in each box?

_____

15. There are 275 balls shared equally among 5 children. Then each child gets 3 more. How many balls does each child have now?

_____

16. A baker makes 1,337 eggs. 17 are kept for the shop and the rest are packed equally into 8 boxes. How many eggs go in each box?

_____

17. Aarav has 644 tiles. Each box holds 11 tiles. How many full boxes can Aarav fill?

_____

18. Yuki has 243 buns. Yuki keeps 43 and shares the rest equally among 5 friends. How many buns does each friend get?

_____

19. Mateo has 72 kites and Bao has 201 kites. They put them together and share them equally among 7 friends. How many kites does each friend get?

_____

20. Ravi packs 184 bottles equally into 4 bags, then adds 20 more bottles to each bag. How many bottles are in each bag now?

_____

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ANSWER KEY

Multiplicative Comparison and Multistep Word Problems

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1. A box holds 10 pencils. A crate holds 5 boxes. How many pencils are in 7 crates?

   Answer: 10 × 5 = 50; 50 × 7 = 350

2. A book has 1,205 pages. Sana reads 9 pages a day for 4 days. How many pages are left to read?

   Answer: 4 × 9 = 36; 1,205 − 36 = 1,169

3. A floor has 39 rows of 22 tiles, and 41 more tiles are added along the edge. How many tiles are there in all?

   Answer: 39 × 22 = 858; 858 + 41 = 899

4. A library has 3 shelves with 19 books on each shelf. 34 books are on loan. How many books are on the shelves?

   Answer: 3 × 19 = 57; 57 − 34 = 23

5. A book has 138 pages. Jamal reads 14 pages a day for 7 days. How many pages are left to read?

   Answer: 7 × 14 = 98; 138 − 98 = 40

6. A floor has 6 rows of 37 tiles, and 6 more tiles are added along the edge. How many tiles are there in all?

   Answer: 6 × 37 = 222; 222 + 6 = 228

7. A library has 12 shelves with 16 books on each shelf. 112 books are on loan. How many books are on the shelves?

   Answer: 12 × 16 = 192; 192 − 112 = 80

8. A tray holds 11 rows of 10 apples. How many apples are on 4 trays?

Answer: 11 × 10 = 110; 110 × 4 = 440

9. There are 210 buttons shared equally among 7 children. Then each child gets 19 more. How many buttons does each child have now?

Answer: 210 ÷ 7 = 30; 30 + 19 = 49

10. A van carries 8 cookies on each trip. There are 267 cookies to move. How many full trips can the van make?

Answer: 267 ÷ 8 = 33 remainder 3; 33 full

11. A school collects 112 cups on Monday and 92 cups on Tuesday. The cups are packed equally into 6 boxes. How many cups are in each box?

Answer: 112 + 92 = 204; 204 ÷ 6 = 34

12. Amara has 73 muffins. Amara keeps 23 and shares the rest equally among 5 friends. How many muffins does each friend get?

Answer: 73 − 23 = 50; 50 ÷ 5 = 10

13. A van carries 11 chairs on each trip. There are 342 chairs to move. How many full trips can the van make?

Answer: 342 ÷ 11 = 31 remainder 1; 31 full

14. A school collects 114 stickers on Monday and 21 stickers on Tuesday. The stickers are packed equally into 3 boxes. How many stickers are in each box?

Answer: 114 + 21 = 135; 135 ÷ 3 = 45

15. There are 275 balls shared equally among 5 children. Then each child gets 3 more. How many balls does each child have now?

Answer: 275 ÷ 5 = 55; 55 + 3 = 58

16. A baker makes 1,337 eggs. 17 are kept for the shop and the rest are packed equally into 8 boxes. How many eggs go in each box?

Answer: 1,337 − 17 = 1,320; 1,320 ÷ 8 = 165

17. Aarav has 644 tiles. Each box holds 11 tiles. How many full boxes can Aarav fill?

Answer: 644 ÷ 11 = 58 remainder 6; 58 full

18. Yuki has 243 buns. Yuki keeps 43 and shares the rest equally among 5 friends. How many buns does each friend get?

Answer: 243 − 43 = 200; 200 ÷ 5 = 40

19. Mateo has 72 kites and Bao has 201 kites. They put them together and share them equally among 7 friends. How many kites does each friend get?

Answer: 72 + 201 = 273; 273 ÷ 7 = 39

20. Ravi packs 184 bottles equally into 4 bags, then adds 20 more bottles to each bag. How many bottles are in each bag now?

Answer: 184 ÷ 4 = 46; 46 + 20 = 66