

Unit 4: Relating Multiplication to Division

ADVANCED · SET 4

Name: _____

Date: _____

Solve each problem and write your final answer on the line. Show your thinking on scrap paper, but only the short answer counts.

1. A bakery bakes 96 rolls. Every tray holds exactly 8 rolls. Every box holds exactly 4 full trays. How many boxes does the bakery fill?

Answer: _____

3. A pet shop has 5 shelves. Each shelf holds 2 rows of fish tanks. Each row has 9 tanks. How many fish tanks are in the shop?

Answer: _____

5. Nina has 100 stickers. She puts 9 stickers on each page of her album and fills as many pages as she can. How many stickers are left over?

Answer: _____

7. Leo folded 9 paper cranes. Mia folded 6 times as many cranes as Leo. How many MORE cranes did Mia fold than Leo?

Answer: _____

9. There are 78 dumplings on a tray. Can 6 friends share them equally with none left over? Answer yes or no.

Answer: _____

2. Find the missing number n : $8 \times n = 72 - 16$

Answer: _____

4. A mystery number divided by 6 equals 9. What do you get when you divide that same mystery number by 9?

Answer: _____

6. Ravi has 84 beads. He uses 6 beads for each bracelet and uses up all the beads. Then he gives away 5 bracelets. How many bracelets does he still have?

Answer: _____

8. A school gets 7 boxes of crayons. Each box has 13 crayons. Then 8 crayons snap in half and get thrown away. How many crayons are left?

Answer: _____

10. Work out the value of: $7 \times 8 - 24 \div 3$

Answer: _____

11. A garden has 8 rows of plants with 9 plants in each row. A frost kills 15 of the plants. How many plants are still alive?

Answer: _____

12. A tower staircase has 90 steps split into 10 equal flights. Anya climbs 4 flights. How many steps did she climb?

Answer: _____