

Unit 4: Relating Multiplication to Division

ADVANCED · SET 2

Name: _____ Date: _____

Solve each problem step by step and write your final answer as a single number.

1. In the equation $6 \times n = 54$, find n , then compute $n \times 7$.

Answer: _____

2. $84 \div 7 = q$. Find q , then compute $q \times 4$.

Answer: _____

3. Use place value to compute 7×13 . (Hint: $7 \times 10 + 7 \times 3$)

Answer: _____

4. A number multiplied by 4 equals 96. Find the number, then divide it by 2.

Answer: _____

5. 96 crayons are shared equally among 8 boxes. Then 3 of those boxes are combined. How many crayons are in the 3 combined boxes?

Answer: _____

6. Solve $45 \div b = 5$ for b , then compute $b \times 9$.

Answer: _____

7. Compute $72 \div 8 \times 6$, working left to right.

Answer: _____

8. Find the number k that makes this true: $4 \times k = 6 \times 6$.

Answer: _____

9. Given that $42 \div 6 = 7$, find the value of $42 \div 7$.

Answer: _____

10. A library has 7 shelves with 9 books on each shelf. If 18 books are borrowed, how many books are left?

Answer: _____

11. Use the distributive property to compute 6×15 . (Hint: $6 \times 10 + 6 \times 5$)

Answer: _____

12. $88 \div 8 = a$. Find a , then compute $a \times a$.

Answer: _____