

72. Using Reverse Calculations to Check Answers

Practice Questions

1. Check $14 + 6 = 20$ using subtraction.
2. Check $63 \div 9 = 7$ using multiplication.
3. Verify $35 \times 4 = 140$ by using division.
4. If $x - 5 = 20$, use addition to check the solution.
5. Solve $x \div 2 = 8$ and check your answer with multiplication.
6. Multiply and then check using division: $9 \times 7 = ?$
7. Find the missing number: $? \div 6 = 4$ and verify with multiplication.
8. Check if $27 - 15 = 12$ by using addition.
9. Verify the division $81 \div 9 = 9$ by using multiplication.
10. If $4x = 36$, find x and check your answer.

Scenario Questions

1. Emma paid £48 for 6 tickets. She calculated each ticket cost £8. How can she check her answer?
2. A chef orders 120 eggs in 12 boxes and says each box holds 10 eggs. Use reverse calculation to verify.
3. A shopkeeper divides £150 among 5 employees and claims each gets £30. How can they check?
4. Ben subtracts £27 from his £100 balance and says he has £73 left. How can he verify this?
5. A student solves $42 \div 7 = 6$. Use multiplication to confirm.
6. A car travels 300 miles using 10 gallons of fuel. The driver calculates 30 miles per gallon. How can they check?
7. A teacher calculates the total class attendance as $18 + 20 = 38$. Verify this using subtraction.
8. A builder calculates that 9 bricks per row \times 5 rows = 45 bricks. Check this using division.
9. A baker makes 240 cookies in 12 trays and says each tray holds 20 cookies. How can they verify?
10. A runner calculates their speed as $80 \text{ miles} \div 2 \text{ hours} = 40 \text{ mph}$. Check this using multiplication.

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Practice Questions

1. $20 - 6 = 14$
2. $7 \times 9 = 63$
3. $140 \div 4 = 35$
4. $x = 25$ ($20 + 5 = 25$)
5. $x = 16$ ($16 \div 2 = 8$)
6. 63 ($63 \div 7 = 9$)
7. 24 ($24 \div 6 = 4$)
8. $12 + 15 = 27$
9. $9 \times 9 = 81$
10. $x = 9$ ($4 \times 9 = 36$)

Scenario Questions

1. $\pounds 8 \times 6 = \pounds 48$
2. $10 \times 12 = 120$
3. $\pounds 30 \times 5 = \pounds 150$
4. $\pounds 73 + \pounds 27 = \pounds 100$
5. $6 \times 7 = 42$
6. $30 \times 10 = 300$
7. $38 - 20 = 18$
8. $45 \div 5 = 9$
9. $20 \times 12 = 240$
10. $40 \times 2 = 80$