Multiplication and Division Connections

Name: _____ Date: _____

Remember: Multiplication and division are inverse operations. They are related and can help you solve problems!

Example: 4 × 5 = 20, so 20 ÷ 5 = 4 and 20 ÷ 4 = 5

Part A: Complete the Fact Families

Fill in the missing numbers to complete each fact family.

1. 3 × 7 = _____
   7 × 3 = _____
   21 ÷ 3 = _____
   21 ÷ 7 = _____

2. 6 × 8 = _____
   8 × 6 = _____
   48 ÷ 6 = _____
   48 ÷ 8 = _____

3. 9 × 4 = _____
   4 × 9 = _____
   36 ÷ 9 = _____
   36 ÷ 4 = _____

4. 5 × 12 = _____
   12 × 5 = _____
   60 ÷ 5 = _____
   60 ÷ 12 = _____

Part B: Write the Related Facts

For each multiplication fact, write two related division facts.

5. 7 × 6 = 42 → _____ ÷ _____ = _____ and _____ ÷ _____ = _____

6. 8 × 9 = 72 → _____ ÷ _____ = _____ and _____ ÷ _____ = _____

7. 4 × 11 = 44 → _____ ÷ _____ = _____ and _____ ÷ _____ = _____

8. 6 × 7 = 42 → _____ ÷ _____ = _____ and _____ ÷ _____ = _____

Part C: Solve Using the Connection

Use your knowledge of multiplication to help solve these division problems.

9. 56 ÷ 8 = _____ because 8 × _____ = 56

10. 63 ÷ 9 = _____ because 9 × _____ = 63

11. 45 ÷ 5 = _____ because 5 × _____ = 45

12. 81 ÷ 9 = _____ because 9 × _____ = 81

13. 54 ÷ 6 = _____ because 6 × _____ = 54

14. 72 ÷ 8 = _____ because 8 × _____ = 72