

Fact Family Multiplication - Practice Worksheet

Name: _____ Date: _____

Instructions: For each set of three numbers, write all four fact family equations (two multiplication and two division). Show your work in the space provided.

1. Numbers: 2, 5, 10 - Write all 4 fact family equations.

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2. Numbers: 3, 6, 18 - Write all 4 fact family equations.

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3. Numbers: 4, 7, 28 - Write all 4 fact family equations.

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4. Numbers: 5, 9, 45 - Write all 4 fact family equations.

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5. Numbers: 6, 8, 48 - Write all 4 fact family equations.

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6. Numbers: 7, 7, 49 - Write all 4 fact family equations. (Hint: a square number has only 2 unique equations.)

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7. Fill in the blank: $8 \times \underline{\quad} = 72$. Use the fact family to also write the matching division equation.

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8. Fill in the blank: $\underline{\quad} / 6 = 7$. Use the fact family to write all 4 related equations.

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9. A rectangle has 9 rows and 4 columns of tiles. Write the full fact family for this array.

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10. Challenge: The product in a fact family is 56. One factor is 8. Write all 4 equations.

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Answer Key

1. $2 \times 5 = 10$, $5 \times 2 = 10$, $10 / 2 = 5$, $10 / 5 = 2$

2. $3 \times 6 = 18$, $6 \times 3 = 18$, $18 / 3 = 6$, $18 / 6 = 3$

3. $4 \times 7 = 28$, $7 \times 4 = 28$, $28 / 4 = 7$, $28 / 7 = 4$

4. $5 \times 9 = 45$, $9 \times 5 = 45$, $45 / 5 = 9$, $45 / 9 = 5$

5. $6 \times 8 = 48$, $8 \times 6 = 48$, $48 / 6 = 8$, $48 / 8 = 6$

6. $7 \times 7 = 49$, $49 / 7 = 7$ (only 2 unique equations because both factors are equal)

7. $8 \times 9 = 72$; $72 / 8 = 9$

8. $42 / 6 = 7$, $42 / 7 = 6$, $6 \times 7 = 42$, $7 \times 6 = 42$

9. $9 \times 4 = 36$, $4 \times 9 = 36$, $36 / 9 = 4$, $36 / 4 = 9$

10. $8 \times 7 = 56$, $7 \times 8 = 56$, $56 / 8 = 7$, $56 / 7 = 8$