

# Multiplication & Division Fact Families - Answer Key

3rd Grade - multiplication and division fact families | 15 minutes

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**Write the four facts for each fact family: two multiplication facts and two division facts.**

Example: 3, 4, 12 ->  $3 \times 4 = 12$ ,  $4 \times 3 = 12$ ,  $12 \div 4 = 3$ ,  $12 \div 3 = 4$ .

1. Write the fact family for 2, 5, 10.

**Answer:  $2 \times 5 = 10$ ,  $5 \times 2 = 10$ ,  $10 \div 5 = 2$ ,  $10 \div 2 = 5$**

2. Write the fact family for 3, 6, 18.

**Answer:  $3 \times 6 = 18$ ,  $6 \times 3 = 18$ ,  $18 \div 6 = 3$ ,  $18 \div 3 = 6$**

3. Write the fact family for 4, 7, 28.

**Answer:  $4 \times 7 = 28$ ,  $7 \times 4 = 28$ ,  $28 \div 7 = 4$ ,  $28 \div 4 = 7$**

4. Write the fact family for 6, 8, 48.

**Answer:  $6 \times 8 = 48$ ,  $8 \times 6 = 48$ ,  $48 \div 8 = 6$ ,  $48 \div 6 = 8$**

5. Fill in:  $5 \times \underline{\quad} = 35$ , so  $35 \div 5 = \underline{\quad}$

**Answer: 7; 7**

6. Fill in:  $\underline{\quad} \times 9 = 54$ , so  $54 \div 9 = \underline{\quad}$

**Answer: 6; 6**

## Challenge

7. Why do 7 and 7 make a fact family with only two facts?

**Answer:  $7 \times 7 = 49$  and  $49 \div 7 = 7$  - the factors are the same, so the two multiplication facts and two division facts repeat.**

8. Which number in a fact family is always the largest?

**Answer: The product (the answer to the multiplication).**