

Relating Multiplication and Division

Multiplication and division are related, just like addition and subtraction are related.

This is the fact family for 5, 6, and 30:

$$5 \times 6 = 30 \qquad 30 \div 6 = 5$$

$$6 \times 5 = 30 \qquad 30 \div 5 = 6$$

Complete each fact family.

1. $2 \times \underline{\hspace{2cm}} = 10$

$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = 10$

$10 \div 5 = \underline{\hspace{2cm}}$

$10 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

2. $9 \times \underline{\hspace{2cm}} = 27$

$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = 27$

$27 \div 3 = \underline{\hspace{2cm}}$

$27 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

3. $8 \times \underline{\hspace{2cm}} = 72$

$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = 72$

$72 \div 8 = \underline{\hspace{2cm}}$

$72 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

4. $6 \times \underline{\hspace{2cm}} = 48$

$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = 48$

$48 \div 8 = \underline{\hspace{2cm}}$

$48 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Write a fact family for each set of numbers.

5. 7, 4, 28

6. 5, 8, 40

7. **Number Sense** What multiplication facts are part of the fact family for $12 \div 3 = 4$?
