

Mr. G's Math Marvels

Fact Families and Algebra Handout #18

Write the fact families for each set of numbers.

5, 7, 35

2, 10, 20

4, 7, 28

Complete the sentences. Solve for N

$4 \times N = 24$, $N =$ _____ $3 \times N = 24$, $N =$ _____ $N \times 6 = 48$, $N =$ _____

$7 \times N = 42$, $N =$ _____ $9 \times N = 36$, $N =$ _____ $12 \times N = 24$, $N =$ _____

If N equals 6, complete the following sentences.

$(N + 9) - 7 =$ _____ $(5 + N) + (N + 8) =$ _____ $(15 - N) \times 5 =$ _____

$(25 - 16) \times N =$ _____ $(N + N) - 12 =$ _____ $(N \times N) - 14 =$ _____

Place the addition, subtraction, multiplication, or division symbol in the brackets { } to create a correct number sentence.

$23 \{ \} 11 = 12$ $4 \{ \} 8 = 32$ $(4 + 9) \{ \} 5 = 8$ $(15 + 5) \{ \} 4 = 5$

$(13 \{ \} 13) \times 7 = 7$ $(3 + 6 + 9) - (1 \{ \} 18) = 0$ $4 \{ \} 7 = (29 - 1)$

What numbers between 30 and 50 are a multiple of 6? _____, _____, _____.

What numbers between 30 and 50 are a multiple of 7? _____, _____, _____.

What do the following numbers have in common?

6, 14, 10, 8 _____.

20, 30, 45, 15 _____.

12, 24, 30, 9 _____.