DATE _____ PERIOD ____

NAME Enrich

Operations Puzzles

Now that you have learned how to evaluate an expression using the order of operations, can you work backward? In this activity, the value of the expression is given. It is your job to decide what operations or numbers must be in order to arrive at that value.

Fill in each with $+, -, \times$, or \div to make a true statement.		
1.	$48 \qquad 3 \qquad 12 = 12$	2. 30 15 3 = 6
3.	$24 \boxed{12} \boxed{6} \boxed{3} = 4$	4. 24 12 6 3 = 18
5.	$4 \boxed{16} 2 \boxed{8} = 24$	6. 45 3 3 9 = 3
7.	$36 \boxed{2} \boxed{3} \boxed{12} \boxed{2} = 0$	8. 72 12 4 3 $3 = 0$
Fill in each with one of the given numbers to make a true		
statement. Each number may be used only once.		
9.	6, 12, 24	10. 4, 9, 36
	\therefore \div \therefore \times \bigcirc = 12	× – = 0
11.	6, 8, 12, 24	12. 2, 5, 10, 50
	: + - = 4	$\square \div \square - \square + \square = 50$
13.	2, 4, 6, 8, 10	14. 1, 3, 5, 7, 9
	$\boxed{ \div \times + - = 0}$	\therefore + \square - \square ÷ \square = 1
15. CHALLENGE Fill in each with one of the digits from 1 through 9 to make a true statement. Each digit may be used only once.		
	: · · · · · · · · · · · · · · · · · · ·	\div $+$ \times $=$ 100