

# Numerical Expression Clock

## Instructions

Your job is to design a clock that has numerical expressions in place of the regular hour numbers.

1. Write a numerical expression for each number from 1 to 12. Use the table on this paper to organize your expressions. Each one must contain at least two operations. At least two expressions must use exponents, two must use parentheses, two must use multiplication, two must use division, two must use addition, and two must use subtraction.
2. On the back of this paper, use the order of operations to show the work for evaluating each expression.
3. Write each expression on the clock face, making sure to space them correctly on the paper plate. (Ask me for one.)
4. Decorate your clock.
5. Make clock hands and attach them to the front with a paper fastener. (Ask me for one.)
6. Write your name and class on the hands.
7. Set the time to the hour of the most challenging expression you have. On the back of this paper, explain your steps for evaluating it.
8. Fold this page in fourths and attach it to the back of the clock.

Use operations, numbers, and/or mathematical symbols to write one expression that is equivalent to each number in the chart. Make sure each expression follows the order of operations. The number 15 is shown as an example.

15	$[4^3 - 2(20 - 3)] \div 2$
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	