Suppose your family is going on a long distance away. Your mom tells you to pack plenty to do. If you leave at 9 in the morning, at what time you will get there at 7 in the evening, because you have 7 hours of traveling left.

This is a clock arithmetic problem. Clock In modular arithmetic there is a number called number between 0 and the modulus minus 1. what it is equivalent to by subtracting the have a number which is between 0 and one modulus is 12 because there are 12 hours on a
trip to visit a relative who lives about 500 miles in the car because the trip will take 10 hours. will you arrive? You can easily figure out that it's 3 hours from 9 until noon and then you arithmetic is also called "modular" arithmetic. the modulus. Every number is equivalent to a For any number you choose you can figure out the modulus over and over again until you less than the modulus. When you are answering questions involving time, the clock.
9+10=19, and 19 is

Mod 12 Math Facts

12 is equivalent to 0. 12-12 = 0.
27 is equivalent to 3. 27-12 = 15; 15-12 = 3.
35 is equivalent to 11. 35-12 = 23; 23-12 = 11.
equivalent to 7 mod 12.

Mod 8 Math Facts

8 is equivalent to 0. 8-8=0.
20 is equivalent to 4. 20-8=12; 12-8=4.
17 is equivalent to 1. 17-8=9; 9-8=1.
Pascal's Triangle in

Choose a modulus and color Pascal's triangle to make an use. For instance, if you choose 4 as your modulus you will Figure out what each entry in the triangle is equivalent to in Modular Color

interesting pattern. Choose a color for each number you will need 4 colors, one for 0, one for 1, one for 2, and one for 3. your modulus, and color it.