Consider the following function:

```matlab
function M = mystery( M , N )
    while M~=N
        if M>N
            M = M-N;
        elseif N>M
            N = N-M;
        end
    end
end
```

1. By hand, determine the value of \( \text{mystery}(4,9) \), \( \text{mystery}(4,10) \) and \( \text{mystery}(6,15) \).

2. What does \text{mystery} \ do?