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 `mystery(4,9)`, `mystery(4,10)` and `mystery(6,15)`.

2. What does `mystery` do?

   *finds the gcd of the two numbers*