

1 a. False

1 b. True

2.

Bludger(y=2001)

Bludger.x = $2001/1000 = 2$

Bludger.z = $2+2001 = 2003$

Bludger.x = quaffle(z,y)

Quaffle(z,y)

Quaffle.z = snitch(x+y,y)

Snitch(x,y)

$y = x/(x\%10) = 4008/(4008\%10) = 4008/8 = 502$

"Snitch: x= 4008, y = 502"

Return y = 502

Quaffle(z,y)

Quaffle.z = 502

$y/=z = y/z = 2001/502 = 3$

"Quaffle: x = 2003, y = 3, z = 502"

Return z = 502

Bludger

Bludger.x = 502

"Bludger: x = 502, y = 2001, z = 2003"