

HW 7 Wentao Lu

1.  $14 \times 4 = 56$

$19 \times 3 = 57$

so give cashier 3 ~~dollar~~ coins worth 19 dollars  
and cashier give 4 coins worth 14 dollars back

2.  $95 - 39 = 3705$

$109 - 34 = 3706$

so give cashier 34 coins worth 109 dollars  
and cashier give 39 coins worth 95 dollars back

3.  $37 \times 3 = 111$

$16 \times 7 = 112$

use 7 weight 16 <sup>on left side</sup> and 3 weight 37 on other side  
then put 1 kg coffee on right side until both  
sides balance. finally you get 1 kg coffee.