

Solution method

compare similar columns and rows to find out the difference between the numbers and then use exclusion ~~is~~ for the exact ~~is~~ number value of one fruit. ~~From~~ From there I can calculate all values using their relative value.

Relative value

- The top row and the left column are the same except that the top row has a plum instead of one of the bananas. The value of the top row is higher by 3, meaning the value of the plum is higher than the banana by 3.
- The top and bottom row have the same fruits, except the bottom row has another apple instead of one of the bananas. The bottom row's value is higher than the top one's by 7, meaning the apple's value is higher than the bananas by 7.

Absolute value of banana

Banana can neither be higher than 15 nor lower than 1. If it was 15, 14 or 13, in the column to the left, it would be more than 4 value of the column (if apple was 1) and if banana was 7 or anything



42

34

49

49

39

45

38

52

below, apple would have to be more than 12. That leaves us with 8, 9, 10, 11 and 12. The difference between apple and banana is 7 so if I ~~also~~ ^{multiply} calculate ~~each~~ ^{all} of these numbers by 3 because the left column has 3 bananas then ~~sub~~ ~~it~~ subtract the value of the column by that number, with then ~~ago~~

apple and banana is 7, meaning that banana equals 8

Absolute value of remaining fruit

• Plum is 3 higher than banana by 3, meaning Plum is 11

• Apple is higher than banana by 7 meaning Apple is 15

• The value of the row second nearest to the top is 34. It has 2 Plums (2*11) and one banana (8) with together is 30, meaning cherry is 4 to make 34.

Conclusion

Plum is 11, Apple is 15, cherry is 4 and Banana is 8

Formulae/Formulas

For those who prefer formulas, i've summarized below

B = Banana
A = Apple
P = Plum
C = cherry

Relative value

BBBA = B BBA = 39 BBPA = 42

BBPA = 42 BPA = 49
-42
= 7
→ A = B + 7

-39
= 3
→ P = B + 3

Absolute value of banana

13*3 = 39

15*3 > 39

4*3 > 39

3 < 39 - 15

3 < 39 - 15

3 < 39 - 15

3 < 39 - 15

3 < 39 - 15

3 < 39 - 15

~~39 - 8 = 31~~
~~39 - 9 = 30~~
~~39 - 10 = 29~~
~~39 - 11 = 28~~
~~39 - 12 = 27~~

39 - 8*3 = 15
39 - 9*3 = 12
39 - 10*3 = 9
39 - 11*3 = 6
39 - 12*3 = 3

Absolute value of Remaining fruit

8 + 3 = 11 = plum

8 + 7 = 15 = Apple

BPCP = 34 - 11*2 - 8 = 4 = cherry

Conclusion

P = 11

A = 15

C = 4

B = 8