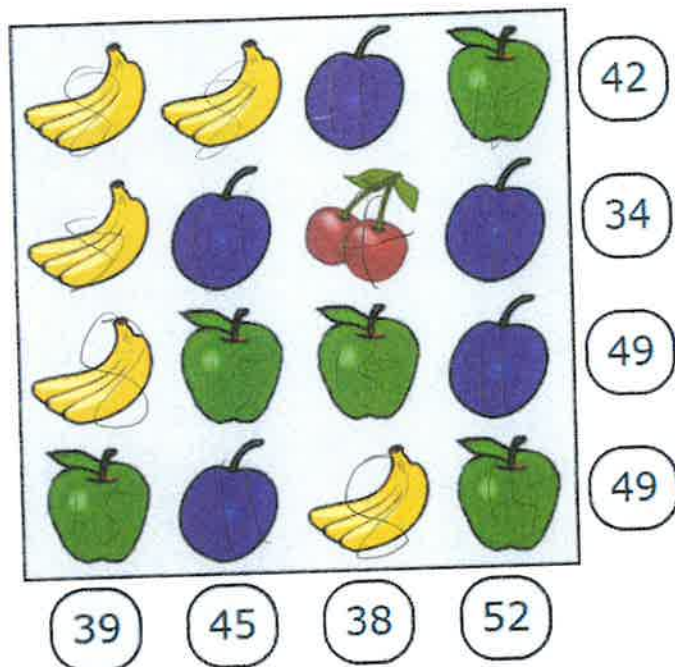




Ryan

Fruity Totals

In the diagram below, each fruit has a value between 1 and 15 inclusive. The sum of the values of the fruit in each row and column is shown. Can you work out the value of each individual fruit?



solution:

$$2a + 2p = 52$$

$$1a + 1p = 26$$

$$2b = 42 - 26 = 16$$

$$1b = 8$$

$$3b = 8 \times 3 = 24$$

$$1a = 39 - 24 = 15$$

$$1p = 26 - 15 = 11$$

$$1c = 38 - 8 - 15 - 11 = 4$$

explanation:

First you look at the line with the answer 52. You divide it by 2 so you get a group of 1 apple and 1 plum is 26. Then you take it to the first line so you can work out that a banana is 8. Then you minus 39 by 3 bananas so you get 15 and that is an apple. Then you look at the ~~the~~ third line that has a total of 49. You use 49 to take away 2 apples and 1 ~~banana~~ banana so you get 11 and that is a plum. Then look at the line above. You use 34 take away 2 plum and 1 banana so you get 4 and that is a cherry.
banana = 8 apple = 15 plum = 11 cherry = 4