

1) For every two squares there are six circles.

The ratio of squares to circles is 2:6.

- a) 6 squares
- b) 30 circles

2) There are 10 yellow tang fish and 25 goldfish.

3) a) If we eat 9 dark chocolates, we will eat 6 milk chocolates.

b) If we eat 45 chocolates altogether we would have eaten 27 dark chocolates and 18 milk chocolates.



1) Alice's statement is incorrect. There would actually be 20 footballs if there were 12 basketballs. If there were 15 footballs, there would have to be 9 basketballs.

Hardeep's statement is correct.

2) a) False. 36p will buy her 2 strawberries. Using the ratio of 5 bananas for every two strawberries that would mean she would need to buy 5 bananas.

b) True. £2.40 will get her 10 bananas. Using the ratio 5:2 bananas to strawberries, she will need to buy 4 strawberries.

c) False. 72p will buy me 4 strawberries. If I buy 20 bananas I will need to buy 8 strawberries which will cost £1.44.

3) The first smoothie was the most expensive as he used more fruit: 20 bananas and 12 strawberries whereas smoothie one only used 15 bananas and 9 strawberries.



1) Ben uses the ratio 2:3 whereas Joshua uses the ratio 3:4.

Ben makes 500ml of which 200ml is orange juice and 300ml is water. Joshua makes 490ml of squash of which 210ml is orange juice and 280ml is water. Joshua used more orange juice.

2) a) 48 pepperoni pizzas are sold for £407.52

12 margherita pizzas are sold for £77.88

$$£407.52 + £77.88 = £485.40$$

b) 30 margherita pizzas are sold for £194.70

20 pepperoni pizzas are sold for £169.80

10 Hawaiian pizza are sold for £78.90

Total £443.40

The restaurant made more money on Monday.

