

Blue

9a. One box contains 4 flavours of lollies and 5 different toffees.



Circle the combinations that can be made if 6 types of sweets are added.


 110

 100

 120

VF

9b. One box contains 4 types of balls and 7 different rackets.



Circle the combinations that can be made if 5 coloured T-shirts are added.


 140

 130

 150

VF

10a. True or false? There are more than 90 combinations of pizza bases and toppings. Show your working.

Bases	1 st Topping	2 nd Topping
deep pan thin and crispy stuffed crust	pepperoni chicken spicy beef tuna	onion sweetcorn peppers mushroom olives basil



VF

10b. True or false? There are less than 100 combinations of sandwiches. Show your working.

Bread	Filling 1	Filling 2
brown white baguette seeded	ham cheese tuna beef turkey	tomato lettuce cheese cucumber onion



VF

11a. There are three boxes of toys.

- | | | |
|---|-------------------|--|
| A. train
ball
doll
car
boat | B. teddy
robot | C. train
teddy
doll
car
boat |
|---|-------------------|--|

How many combinations of toys can be made?



$$\square \times \square \times \square = \square$$

VF

11b. There are three packets of stickers.

- | | | |
|--|-----------------------------|------------------------------|
| A. blue
green
yellow
purple
orange | B. silver
gold
orange | C. silver
green
yellow |
|--|-----------------------------|------------------------------|

How many combinations of colours can be made?



$$\square \times \square \times \square = \square$$

VF

12a. Complete the table and tick the correct number of possible combinations.

Fish 1	Fish 2	Fish 3
tetra guppy calfish angel fish	?	snail minnow barb


 15

 48

 54

VF

12b. Complete the table and tick the correct number of possible combinations.

Fruit 1	Fruit 2	Fruit 3
?	apple banana pear mango grape orange	kiwi melon peach


 34

 36

 42

VF

