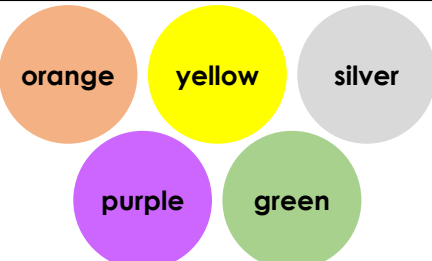


Correspondence Problems

1. Mr Hill has five different-coloured stickers that he uses in class. Each colour comes in a different design. Mr Hill thinks he can make 11 combinations.

| Sticker colour | Sticker design |
|--|---|
|  | smiley face books animals star flag cake |

**5 + 6 = 11
combinations**

Correct the mistake(s) above to show how many combinations he can use in total.

2. There are three shops each with three shelves of different food. Find the odd one out in the total number of different combinations of food at each stall.

A.



B.

2 flavours of crisps

8 types of drink

2 types of sweets

C.

8 flavours of crisps



3. Rupert has 15 Prodeomon cards which come in 3 varieties – normal, shiny and legendary. He has to pick one from each category for a Prodeomon battle.



All of my cards are different. I have 6 normal cards, 4 shiny cards and 5 legendary cards. I can take one of more than 100 combinations into battle.

Is Rupert correct? Explain your answer.