

Year 3

Reasoning problems.

1. Mrs Moss needs **27** apples for the class trip. There are **3** apples in each bag. How many bags of apples does Mrs Moss need altogether?
  
2. There are **64** cones in the P.E. cupboard. **21** are red. **24** are green. The rest are blue. How many blue cones are there in the cupboard?
  
3. Susan cuts 225 cm of ribbon into three pieces. The length of the first piece is 122 cm. The length of the second piece is 65 cm. Work out the length of the third piece.

4. This table shows the number of children going to different school clubs.

| School Club    | Number of children |
|----------------|--------------------|
| Gardening club | 45                 |
| Fashion club   | 32                 |
| Football club  | 51                 |
| Karate club    | 23                 |

a) What is the **total** number of children who go to Gardening and Fashion club?

b) What is the **difference** between the numbers of children going to Football club and Karate club?

c) What is the **difference** between the numbers of children going to Fashion club and Karate club?

5. Here is the recipe to make one large pancake:

- 1 egg
- 55ml of milk
- 42g of flour

a) How much flour is needed to make five large pancakes?

b) If Miss Stone makes pancakes and uses 2 eggs, how much milk will she use?

c) If Miss Stone makes pancakes and uses 3 eggs, how much flour will she use?

6. Mrs Moss needs **65** pencils for an art lesson. There are **5** pencils in each box. How many boxes of pencils does Mrs Moss need altogether?