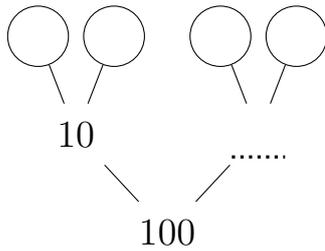


1. Optional warm up question

Complete all the factor pairs of 100

You may use this prime factor tree.



.... × .... = 100

.... × .... = 100

.... × .... = 100

.... × .... = 100

.... × .... = 100

2. There are only rose and lavender plants in a garden.

The number of rose plants and the number of lavender plants in the garden are in the ratio 9 : 16

Work out the percentage of plants that are roses.

..... %

3. There only types of spoons in a kitchen are teaspoons, tablespoons and serving spoons.

The number of teaspoons, the number of tablespoons and the number of serving spoons in the kitchen are in the ratio 5 : 9 : 6

Work out the percentage of spoons that are serving spoons.

..... %

4. There are only plastic, metal and wood buttons in a tin.

The number of plastic, the number of metal and the number of wood buttons in the tin are in the ratio 13 : 7 : 5

Work out the percentage of buttons that are made of wood.

..... %

5. Mimi had some birthday cards from friends and family.

The number of birthday cards from friends and the number of birthday cards from family were in the ratio 2 : 3

Work out the percentage of birthday cards that were from family.

..... %

Answers 1) 1 × 100, 2 × 50, 4 × 25, 5 × 20, 10 × 10    2) 36 3) 30 4) 20 5) 60