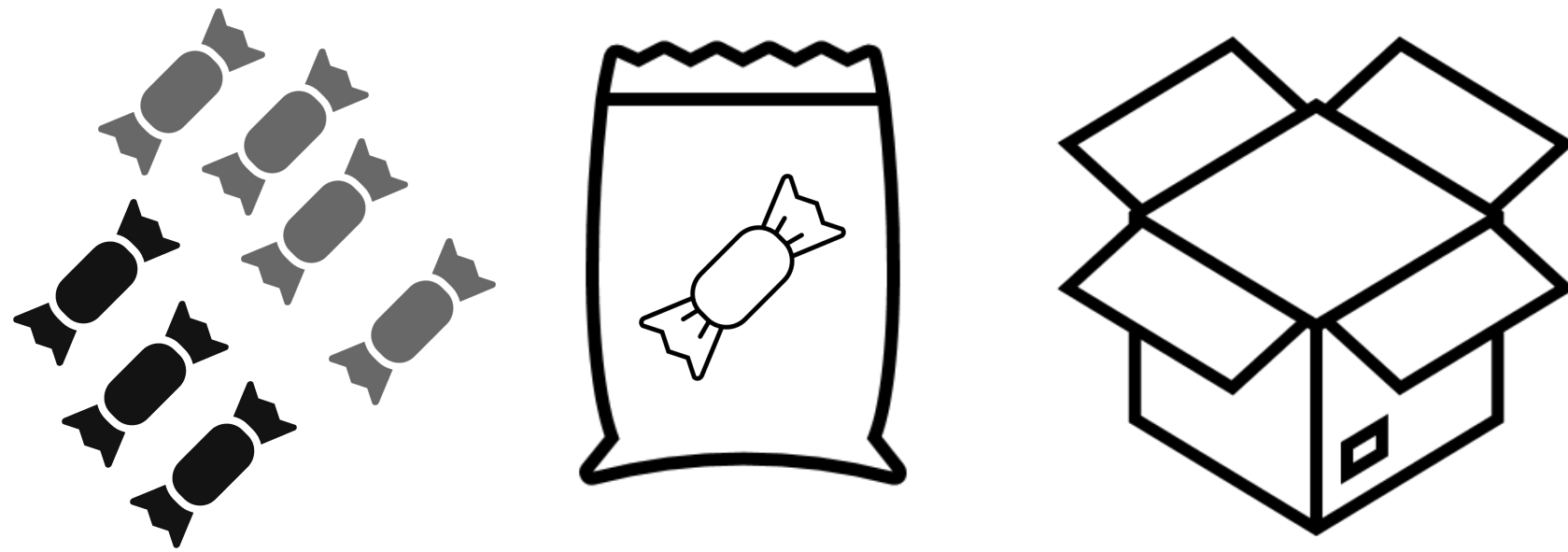Mathematics

The rule of four
Lesson 4 of 4
Downloadable Resource

Miss Kidd-Rossiter

Try this

Cala and Xavier are packing boxes of sweets for a summer fair. Each box has the same number of bags. Each bag has the same number of lemon and raspberry sweets.

The ratio of lemon to raspberry is 3:4.

Cala

There are 84 sweets in the box.

Xavier

How many bags could there be in each box?

Independent task

1. Two bottles of drink taste the same.

   a. Fill in the grid.

   b. What is the ratio of squash to water?

   c. How much bigger is bottle 2?

	Squash	Water
Bottle 1	20 cl	
Bottle 2	60 cl	45 cl

2. A large tin of light green paint (green and white mixed) is 5 times the size of a small tin.

   a. Fill in the grid.
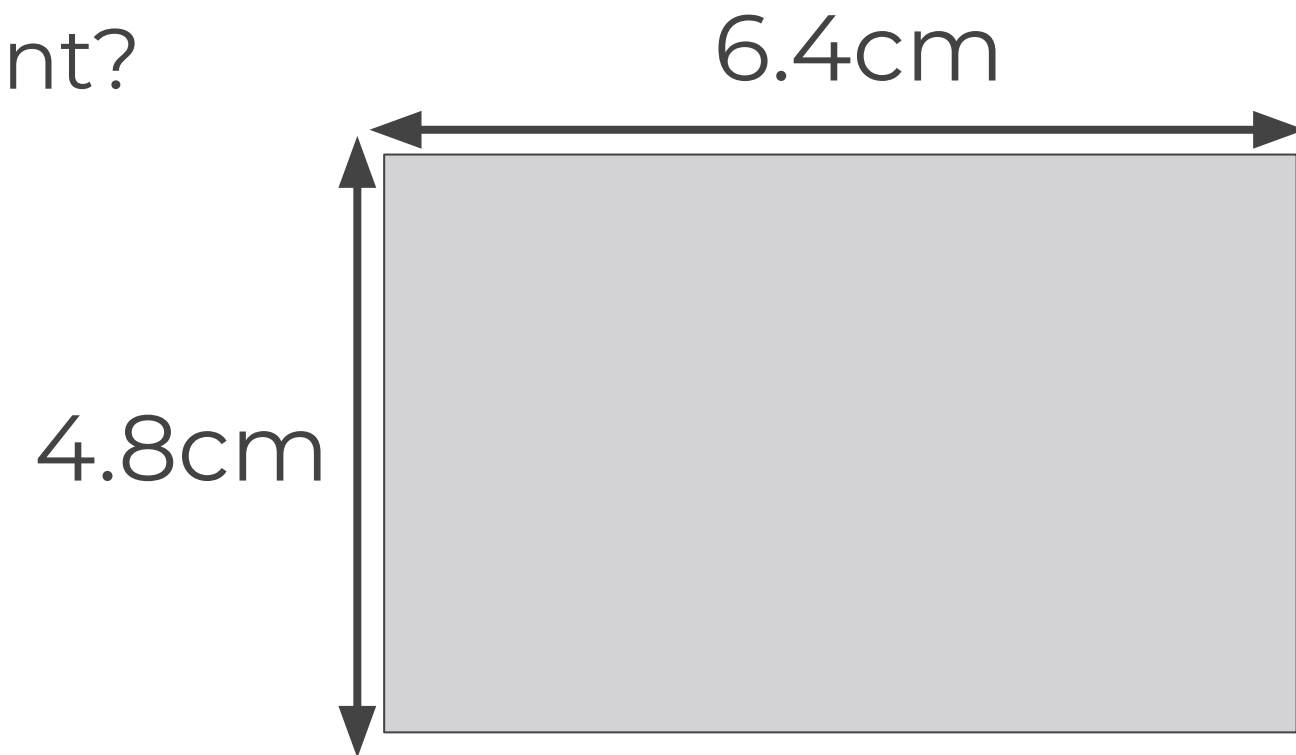
   b. What is the ratio of green to white?

	Small	Large
Green	8 L	
White		30 L

Independent task

3. I make an enlargement of a photo. The enlargement is 20cm wide.

   a. How high is it?

   b. What is the scale factor of the enlargement?

   c. What is the ratio height : width?

6.4cm

4.8cm

Independent task

4. Below is a ratio table.

    Gemma says that the missing number is 35.
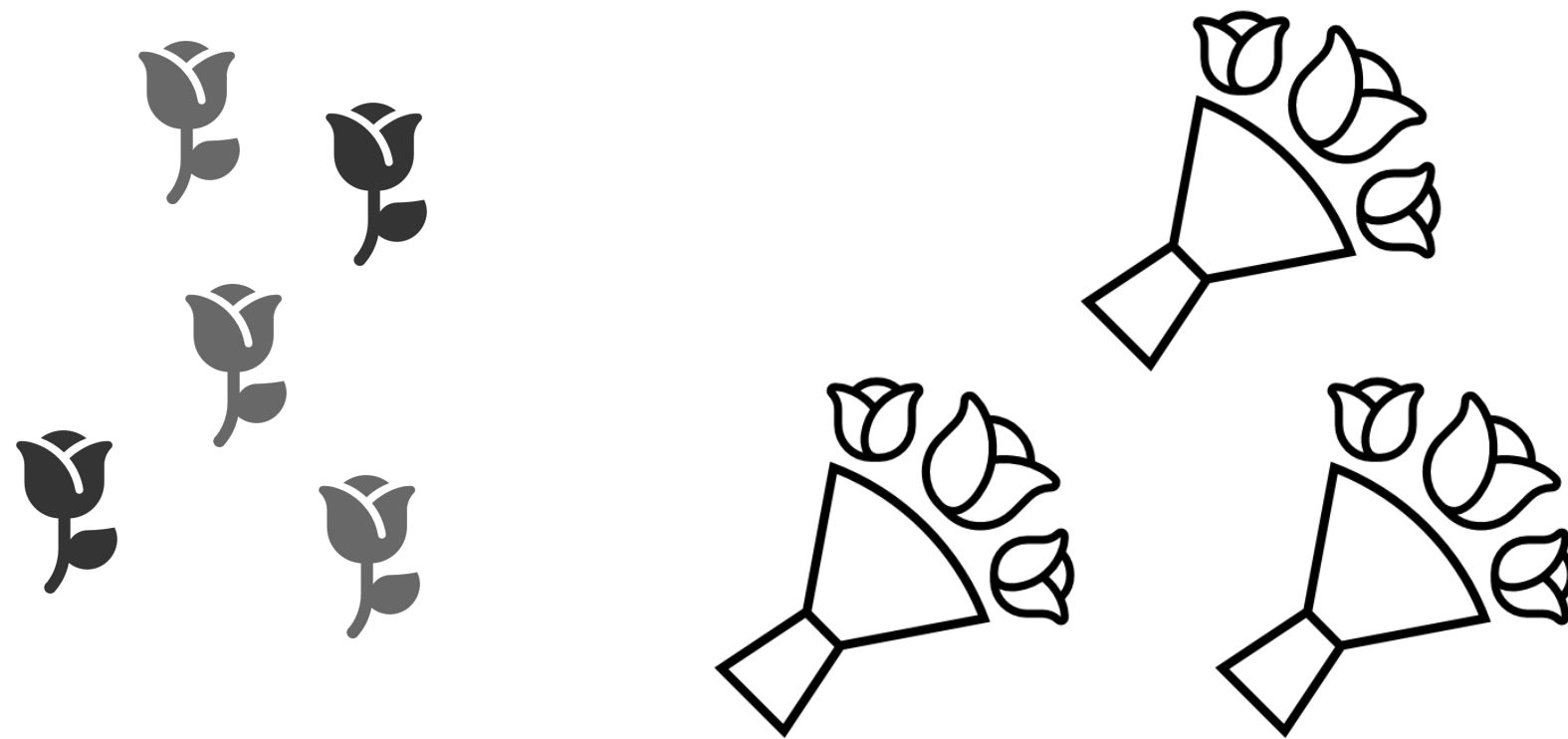
    Ed says that the missing number is 19.

    a. Who do you agree with, why?

    b. What mistake has been made by the person who is wrong?

	Group	Bag
Pink	3	15
Grey	7	?

Explore

Cala and Xavier are arranging bunches of pink and blue flowers.

There are 4 pink flowers in each bunch

Cala

There are 165 flowers altogether

Xavier

How many blue flowers could there be in each bunch?