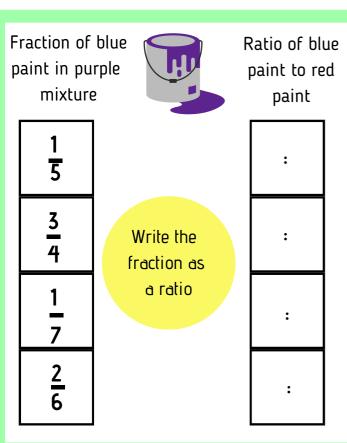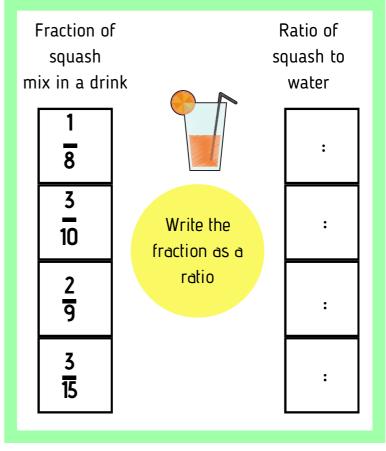# Solve problems involving *the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts*

Write each fraction as a ratio:

Fraction of blue paint in purple mixture

$\dfrac{1}{5}$

$\dfrac{3}{4}$

$\dfrac{1}{7}$

$\dfrac{2}{6}$

Write the fraction as a ratio

Ratio of blue paint to red paint

:

:

:

:

Fraction of squash mix in a drink

$\dfrac{1}{8}$

$\dfrac{3}{10}$

$\dfrac{2}{9}$

$\dfrac{3}{15}$

Write the fraction as a ratio

Ratio of squash to water

:

:

:

:

Fill in the missing values to keep the ratio the same:

3 : 5
: 30
30 :
: 45
21 :

2 : 7
: 42
42 :
: 63
24 :

3 : 8
: 24
24 :
: 56
27 :

Answer the following questions

1: The ratio of children to adults is 5:3

How many adults are there in a group of 64 people?

How many children are there in a group of 24 people?

There are 25 children. How many people are there altogether?

2: The ratio of brown eyes to blue eyes is 15:1

How many people with brown eyes are there if there are 96 people?

How many people with blue eyes are there in a group of 48 people?

There are 7 people with blue eyes . How many people with brown eyes are there?

3: The ratio of lions to monkeys in a zoo is 1:4

How many monkeys are there if there are 7 lions?

How many lions are there if there are 45 lions and monkeys altogether?

How many lions and monkeys are there altogether if there are 60 monkeys?

4: The ratio of pencils to rulers to rubbers is 4:2:1

How many rubbers are there if there are 32 pencils?

How many pencils are there if there are 20 rulers?

How many of each item are there if there are 49 items altogether?

🖍 **Fill in the correct measurements of the missing ingredients ensuring that you stick to the original ratio.**

5 red sweets	4 blue sweets	2 yellow sweets	3 green sweets
			27
		24	
30			
	12		

Lean Green Juice

Serves 2

3 green apples

30 ml lemon juice

25g kale leaves

2 sticks of celery

40 g cucumber

10g chia seeds

200 ml coconut water

100 ml of water

4 mint leaves

Use the recipe to answer the questions.

a) How many apples are needed for a recipe that serves 1 person?

b) If 50g kale leaves were used, how much water is needed?

c) If 5g chia seeds is used, how much lemon juice is needed?

d) How many mint leaves and sticks of celery are needed for a recipe that serves 18 people?