

Mild

Year 6 Maths Homework

Task: to solve ratio problems

1. Tom and his group prepared a picnic.
Each person at the picnic had:
4 sandwiches, **2** pieces of fruit and **1** packet of crisps.
The children packed **48** sandwiches.

How many **pieces of fruit** did they pack?

2. Molly makes a fruit salad using bananas, oranges and grapes.
For every **1** banana, she uses **9** grapes and **2** oranges.
Molly used **36** pieces of fruit.

How many **grapes** does she use?

3. Here are the ingredients needed for a pasta sauce:
 - 250g tomatoes
 - 110g onions
 - 75g mushrooms

Jay makes the pasta sauce using **750g** of **tomatoes**.

How many grams of **onions** should he use?
How many grams of mushrooms should he use?

4. If Jay used **440g of onions**, how many grams of tomatoes and mushrooms did he use?
5. Orange paint is made by mixing red and yellow paint.

A ratio of **5** tins of yellow paint for every **3** tins of red paint is used to make **8** tins of orange paint.
Sam makes **56** tins of orange paint.

How many tins of yellow and red paint did he use?

6. Here is a recipe for fruit smoothies:

- 10 strawberries
- $\frac{1}{2}$ litre of orange juice
- 250ml yogurt
- 1 banana

Makes two smoothies

Stephanie uses the recipe to make smoothies.
She used **1 litre** of **yogurt**.

- a. How many **strawberries** does she use?
- b. How much of each ingredient would she need to make 3 smoothies?

To be handed in by Thursday 7th May