Reasoning and Problem Solving - Multiplication and Division - Year 1

Dappy Dog runs Donaldson Bakery on Rafferty Road.

He has some very exciting news.

"We are going to be having a party.

We have a very special guest attending
so we need to work together to get everything
ready."



Their first job is to count the biscuits in the bags.

There are 5 bags of biscuits. Each bag has 10 biscuits.



1a. How many biscuits are there?



Benny Bear says,

"We would have more biscuits if we had 5 biscuits in 10 bags."

1b. Is he correct? Explain your answer.



"What is that glorious smell coming out of the kitchen?" Penny Pig says as she walks towards the kitchen door.





They are	cnen the aonuts on 3 baking tra I to be in equal	ys.	e out of the	oven.	
	A	B			
•	need to make th ny donuts shoul	•	ray to make	equal group	s?
	•	Rabbit could no aten one donut			v naughty!
2b. How o	can you make t	he donuts equa	ıl now?		
2c. Comp baking tro	lete the sentenc ay now. There are	e to explain ho			e on the
2d. How i	many donuts ar	e left altogethe	er now?		
	ar and Penny P e baked in grou	9	•	20 2	
•	ar says that the says that there		es		
3a. Who i	is correct and w	/hy?			
	دام	ıssrooms <i>e</i>	ecrets co	nm .	

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3b. They have 16 scones but they need 20 scones. How many more groups of 4 do they need?

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4. Charlie Chicken is setting the party table and he is making a plan.



Complete the plan to show how the cupcakes and biscuits will be laid out on the table.

Array	Description	Total	
	There are 4 columns and 2 cupcakes in each column.	2 + 2 + 2 + 2 = 8	
	There are rows and 4 cupcakes in each row.	4 + 4 =	
	There are columns and 5 biscuits in each column.	+ + = 15	
	There are 5 rows and biscuits in each row.	3 + 3 + 3 + 3 + 3 =	

Oh no! Ralphy Rabbit has just had news that more guests are coming to the party.

They are going to have to make another cake.

This recipe is for 1 cake, the ingredients need to be doubled.

5. How much of each ingredients do they need?



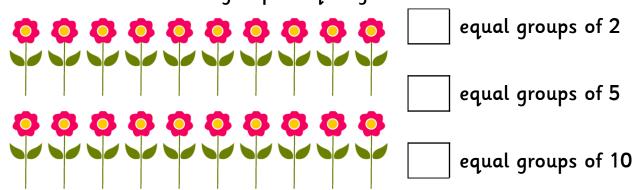


4 eggs 1 bag of flour 2 sticks of butter 10 cubes of sugar

eggs	
bags of flour	
sticks of butter	
cubes of sugar	

6a. There are 20 flowers for decorating the party room.

How can the flowers be grouped equally?



6b. There are 5 tables. Will the same amount of flowers fit on each table? Explain how.



Super. We are all ready for the party to begin.

The special guest, The Good Fairy has turned up just in time.



All the animals are so happy to see her and all the food is ready. Yippee!

There is just one thing left to do and that is to share out the food with everyone at the party.

Luckily, The Good Fairy waves her magic wand and the food is shared out equally onto all of their plates.

7a. All 5 animals get 4 biscuits each. How many biscuits did the Good Fairy share out altogether? You can use the plates to help you.



7b. The two cakes are cut into 10 slices each.

It needs to be shared between 16 people.

Each person gets one slice. How many slices of cake are left over?

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What a brilliant party!

