



# Party Time

I can solve scaling and correspondence problems.



You have been given the exciting task of organising the end of term party for your class. There are **32** children coming to the party.

## 1. Party Drinks

- a. A carton of apple juice makes 8 cups. How many cartons will you need to buy? \_\_\_\_\_
- b. Cups come in packs of 10. How many packs will you need? \_\_\_\_\_

## 2. Party Food

- a. Each packet of crisps will feed 4 children. If I buy 7 packs, how many children will have crisps? Do I have enough? \_\_\_\_\_
- b. Crisps come in multipacks with 3 cheese and onion, 3 salt and vinegar and 6 ready salted packets. I buy one multipack. If each packet of crisps is shared between 4 children, how many children can have salt and vinegar? \_\_\_\_\_

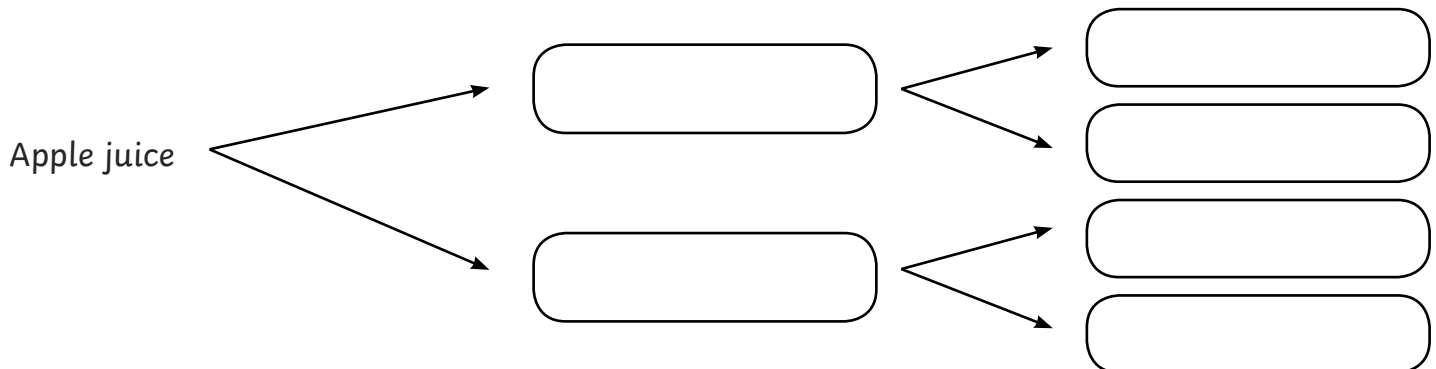
## 3. Cake

- a. Each cake can be cut into a maximum of 12 slices. How many cakes will I need to buy for each child to have a slice? \_\_\_\_\_
- b. Will there be any left for the teacher? How many slices? \_\_\_\_\_

## 4. Combinations

How many possible combinations of food are there if these are the choices? Complete this branching diagram to work it out.

Drinks	Sandwich	Crisps
Apple juice	Tuna	Cheese and onion
	Cheese	Salt and vinegar





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You have been given the exciting task of organising the end of term party for your class. There are **43** children coming to the party.

## 1. Party Drinks

- A carton of apple juice makes 8 cups. How many cartons will you need to buy? \_\_\_\_\_
- Cups come in packs of 10. How many packs will you need? \_\_\_\_\_

## 2. Party Food

- Each packet of crisps will feed 4 children. If I buy 9 packs, how many children will have crisps? Do I have enough? \_\_\_\_\_
- Crisps come in multipacks with 3 cheese and onion, 3 salt and vinegar and 6 ready salted packets. I buy one multipack. If each packet of crisps is shared between 4 children, how many children can have salt and vinegar? \_\_\_\_\_

## 3. Cake

- Each cake can be cut into a maximum of 12 slices. How many cakes will I need to buy for each child to have a slice? \_\_\_\_\_
- Will there be any left for the teacher? How many slices? \_\_\_\_\_

## 4. Combinations

How many possible combinations of food are there if these are the choices? Draw a branching diagram on the back of the sheet to work it out.

Drinks	Sandwich	Crisps
Apple juice	Tuna	Cheese and onion
	Cheese	Salt and vinegar
		Ready salted



# Party Time

I can solve scaling and correspondence problems.



You have been given the exciting task of organising the end of term party for your class. There are **135** children coming to the party.

## 1. Party Drinks

- A carton of apple juice makes 8 cups. How many cartons will you need to buy? \_\_\_\_\_
- Cups come in packs of 10. How many packs will you need? \_\_\_\_\_

## 2. Party Food

- Each packet of crisps will feed 4 children. If I buy 17 packs, how many children will have crisps? Do I have enough? \_\_\_\_\_
- Crisps come in multipacks with 3 cheese and onion, 3 salt and vinegar and 6 ready salted packets. I buy 12 multipacks. If each packet of crisps is shared between 4 children, how many children can have salt and vinegar? \_\_\_\_\_

## 3. Cake

- Each cake can be cut into a maximum of 12 slices. How many cakes will I need to buy for each child to have a slice? \_\_\_\_\_
- Will there be any left for the teacher? How many slices? \_\_\_\_\_

## 4. Combinations

How many possible combinations of food are there if these are the choices? Draw a branching diagram on the back of the sheet to work it out.

Drinks	Sandwich	Crisps
Apple juice	Tuna	Cheese and onion
Water	Cheese	Salt and vinegar
	Egg	Ready salted
	Ham	

# Answers

Question	*	**	***
1a	4	6	17
1b	4	5	14
2a	28 no	36 no	68 no
2b	12	12	144
3a	3	4	12
3b	yes 4	yes 5	yes 9
4	4 combinations AJ, TS, CO AJ, TS, SV AJ, CS, CO AJ, CS, SV	6 combinations AJ, TS, CO AJ, TS, SV AJ, TS, RS AJ, CS, CO AJ, CS, SV AJ, CS, RS	24 combinations AJ, TS, CO AJ, TS, SV AJ, TS, RS AJ, CS, CO AJ, CS, SV AJ, CS, RS AJ, ES, CO AJ, ES, SV AJ, ES, RS AJ, HS, CO AJ, HS, SV AJ, HS, RS W, TS, CO W, TS, SV W, TS, RS W, CS, CO W, CS, SV W, CS, RS W, ES, CO W, ES, SV W, ES, RS W, HS, CO W, HS, SV W, HS, RS