# **Correspondence problems**



A pizzeria offers a choice of bases and toppings.

Pizza base	Toppings	
deep pan	mushrooms	
thin	chicken	
	onion	
	peppers	
	sweetcorn	

Complete the multiplication to work out how many different combinations of pizza there are.



Complete the sentence.

There are

combinations of pizza.



Mo visits the funfair.

He buys a ticket that allows him to choose 1 ride and 1 game at the fair.



A canteen has 2 types of bread and a choice of 3 sandwich fillings.

Bread	Fillings
white	cheese
brown	tuna
	chicken

a) List the different sandwiches that can be made.

One has been done for you.

cheese on white

b) Complete the multiplication to represent the number of different combinations of bread and filling.



Complete the sentence.



combinations.

c) How many combinations would there be if there were 4 choices of sandwich filling?

Explain your answer.

He has done 3+5 not 3×5	Sport
	football
	tennis
<b>b)</b> List all the different choices Mo can make.	golf
BH BB BC BL BT	
	Each child is allowed
DH UB PC DC DI	1 sport, 1 arts and cro
CH CB CC CL CT	<b>a)</b> How many activity
Mo can make [5] different choices.	
	<b>b)</b> Due to a flooded
	How many combin
Aisha has 3 headbands and 5 hair slides.	
Kim has 2 headbands and 6 hair slides.	
Who has more choices of combinations for wearing one	There are 24
headband and 1 slide?	
	6 Tom and Esther are b
	They have a choice o
	dress their snowman.
	How many different
Acsha has more choices.	5 × 4 × 2 =
Talk about it with a partner.	There are 40 com

5 Here are the activity choices available at Summer Camp.

Arts and crafts	Outward bound
painting	wall climbing
pottery	kayaking
mosaics	abseiling
origami	

is allowed to choose 3 activities per day:

arts and crafts and 1 outward bound.

iny activity combinations are there?



flooded pitch, football is cancelled.

iny combinations are now possible?

combinations.

 $| \mathbf{U} |$  combinations.

sther are building a snowman.

a choice of 5 hats, 4 scarves and 2 pairs of gloves to

different combinations are possible?











d)



Tommy is working out the perimeter of some rectangles.



Use Tommy's method to find the perimeter of these rectangles.









What do you notice? Find any other rectangles that have the same perimeter.

3











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26 cm

22cm













a) What area of the tile is blue? squares 4 **b)** What area of the tile is white? squares 6 c) What is the total area of the tile? squares 10 These two shapes are made up of squares of the same size. These two shap have the same a  $\bigcirc$ Jack The first shap takes up Who is correct? \_\_\_\_\_\_ Explain how you know. They both have an a

Here is a kitchen tile.



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pe is b more	oigge spac	r as :e.	it		Ros	sie
<u>ne Cl</u>	QÊ	٩	sq	tra	හ.	



Here is a rectangle.

3 **a)** The rectangle has columns. rows and

12

squares

squares

- **b)** What is the area of the rectangle?
- c) How did you work out the area?



**A** =

Find the area of each rectangle.



Nijah and Eva are making shapes. They each use 6 squares. Nijah's shape Eva's shape The area of Nijah's shape is equal to the area of Eva's shape. Is this true or false? \_\_\_\_\_\_ How do you know? They are not made us What is the area of each shape? 8







, ,	the	same	size	shapes	
J					



4 1/2 squares area =

