

Monday 11th May 2020

Maths Y4

Morning Year 4s, I hope you had a lovely weekend and enjoyed VE day! Today's maths is on <https://whiterosemaths.com/homelearning/year-4>

Look for **Summer Term**
- Week 4 (w/c 11th
May) - Lesson 1 and
watch the video
'Multiplying and
dividing problem
solving' then have a go
at the activity below.

Correspondence problems



- 1 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.

$$\square \times \square = \square$$

Complete the sentence.

There are combinations.

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

If you would like to try
some more multiplying
and dividing problems
have a look at the
related questions on BBC Bitesize <https://www.bbc.co.uk/bitesize/articles/zmbtpg8>

- 2 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.

$$\square \times \square = \square$$

Complete the sentence.

There are combinations of pizza.

- 3 Mo visits the funfair.

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

| Rides | Games |
|------------|--------------------|
| Big dipper | Hook-a-duck |
| Dodgems | Basketball |
| Carousel | Coconut shy |
| | Lucky dip |
| | Test-your-strength |



- a)

There are 8
different possible choices
of rides and games.



Is Mo correct? _____

Explain your answer.

b) List all the different choices Mo can make.

Mo can make different choices.

- 4 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 headband and 1 slide?

_____ has more choices.

Talk about it with a partner.



- 5 Here are the activity choices available at Summer Camp.

| Sport | Arts and crafts | Outward bound |
|----------|-----------------|---------------|
| football | painting | wall climbing |
| tennis | pottery | kayaking |
| golf | mosaics | abseiling |
| | origami | |

Each child is allowed to choose 3 activities per day:
1 sport, 1 arts and crafts and 1 outward bound.

a) How many activity combinations are there?

b) Due to a flooded pitch, football is cancelled.

How many combinations are now possible?

There are combinations.

- 6 Tom and Esther are building a snowman.

They have a choice of 5 hats, 4 scarves and 2 pairs of gloves to dress their snowman.

How many different combinations are possible?

$$\square \times \square \times \square = \square$$

There are combinations.