Class 3 Home Learning, week beginning 8th June 2020

Maths - Year 4
Summer Term, Week 4 (w/c 11th May)

Lesson I

Multiplying and dividing problems

Please watch the video before starting the questions.

I have not divided this work into challenges. Please work your way through the questions and do as many as you can.

The answers are included in this document.

Can I solve multiplication and division problems? (Y4)

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them neatly with a ruler.

 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 mad 	a)	List the	different	sandwiches	that	can	be	made
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0		L	.1		
One	nas	been	done	TOT	you.

cheese on	white

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

	×		=	
--	---	--	---	--

Complete the sentence.

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



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.

,	×	=	
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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)

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.				
Aisha has 3 headbands and 5 hair slides.				
Who has more choices of combinations for wearing one headband and 1 slide?				
has more choices				
Talk about it with a partner.				
	b) List all the different choices Mo can make. Mo can make different choices. 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.	b) List all the different choices Mo can make. Mo can make different choices. 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.		



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.

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?

		×		×		=		

There are combinations.

Can I solve multiplication and division problems? (Y4)

ANSWERS

 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	Chaese on brown
tung on white.	tuna on brown
chideer on white	chideen on brown

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

Complete the sentence.

There are $\boxed{\mathsf{6}}$ combinations.

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



A pizzeria offers a choice of bases and toppings.

Pizza base	Toppings
deep pan	mushrooms
thin	chicken
	onion
	peppers
	sweetcorn

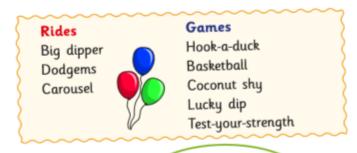
Complete the multiplication to work out how many different combinations of pizza there are.

Complete the sentence.

There are ocmbinations of pizza.

Mo visits the funfair.

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



a)

There are 8 different possible choices of rides and games.



Is Mo correct? No

Explain your answer.

He hap done 3+5 not 3×5

b) List all the different choices Mo can make.

ВН	BB	BC	BL	BT	
DH	DB	DC	DL	DT	
CH	СВ	cC	CL	C7	

Mo can make 5 different choices.

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?

A csha has more choices.

Talk about it with a partner.



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?

36

b) Due to a flooded pitch, football is cancelled. How many combinations are now possible?

There are 2L combinations.

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?

There are 40 combinations.