Monday

Multiplication and division

WALT: find the different ways to solve a problem

Challenge 1:

Dora is making ice creams.

She has 4 flavours and 3 toppings.


chocolate


vanilla


mint


strawberry


nuts


choc chips


sprinkles

Dora chooses a flavour and a topping.

a) Complete a table to show the different combinations she could make.

Ice cream flavour	Topping
Chocolate	Nuts
Chocolate	Choc chips
Chocolate	Sprinkles
Vanilla	
Vanilla	
Vanilla	
	Nuts
	Choc chips
	Sprinkles

b) How did you work out the different combinations?

How do you know you have found them all?

Challenge 2:

Whitney buys a snack and a drink.

chocolate

muffin

cookie

apple

juice

pop

milk

water

She says there are 8 combinations she could choose.

Do you agree?

Show how you know.

Challenge 3:

Jack and Alex are choosing food from a menu.

Starter	Main	Dessert
Soup	Burger	Ice cream
Cheese	Pizza	Brownie
Bread	Roast chicken	Fruit salad
	Egg and chips	
	Salad	
	Pie	

Jack chooses a starter and a main.

How many different combinations are there?

Alex chooses a starter, main and dessert.

How many different combinations are there?

Extension:

Rosie is making a birthday card.

She uses a sheet of coloured card and sticks a shape on it.

She has 5 different shapes she can choose from.

She can make 40 different birthday cards in total.

How many different sheets of card does Rosie have?