

LO: Correspondence Problems

Practice

An ice-cream van has 4 flavours of ice-cream and 2 choices of toppings.

Ice-cream flavour	Toppings
Vanilla	Sauce
Chocolate	Flake
Strawberry	
Banana	

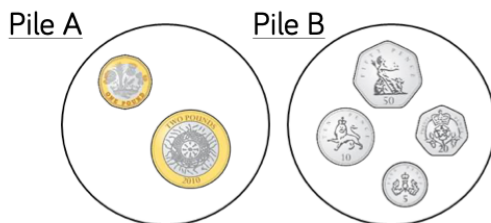
How many different combinations of ice-cream and toppings can be made?

Complete the multiplication to represent the combinations.

\_\_\_ × \_\_\_ = \_\_\_ There are \_\_\_ combinations.

Jack has two piles of coins.

He chooses one coin from each pile.



What are all the possible combinations of coins Jack can choose?

What are all the possible totals he can make?

Reasoning

Here are the meal choices in the school canteen.

Starter	Main	Dessert
Soup	Pasta	Cake
Garlic Bread	Chicken	Ice-cream
	Beef	Fruit Salad
	Salad	

There are 2 choices of starter, 4 choices of main and 3 choices of dessert.

How many meal combinations can you find? Can you use a systematic approach?

Can you represent the combinations in a multiplication?

If there were 20 meal combinations, how many starters, mains and desserts might there be?

Problem Solving.

Alex has 6 T-shirts and 4 pairs of shorts.

Dexter has 12 T-shirts and 2 pairs of shorts.

Who has the most combinations of T-shirts and shorts?

Explain your answer.