

## Double Decker

**Activity:** Students are shown 6 different types of ice cream. If the elephant wants to make double deckers (2-scoop ice creams), how many different possible combinations can it make? Note, we consider chocolate on top of vanilla as the same combination as vanilla on top of chocolate.

### To support:

- Provide students with 6 different coloured blocks to represent the different flavours.
  - ◆ Students can physically create possible double deckers.
- Students could explore possible combinations. They don't need to find the exact total.

### To challenge:

- Students could:
  - ◆ explore how the total would change if a fifth flavour was introduced or one flavour was taken away.



# Double Decker

How many unique double scoops is it possible to create?



Chocolate  
Mint  
Vanilla  
Strawberry  
Mango  
Bubblegum



# Solution

There are 21 possible combinations that could be made!

