

Double Decker

Activity: Students are shown 6 different types of ice cream. If Ziggy, the monster, 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!

