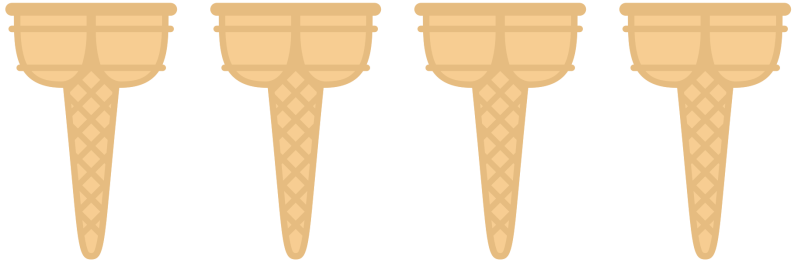
I always want a scoop of strawberry ice cream.

How many ice cream combinations can I make?

You might **not** need all the cones.



Name/s: _____

MATHS QUEST 1

I never want a scoop of chocolate ice cream.

How many ice cream combinations can I make?

Name/s: _____

MATHS QUEST 2

I don't like chocolate ice cream.
Which ice creams won't I choose?

Name/s: _____

MATHS QUEST 3

You might **not** need all the cones.

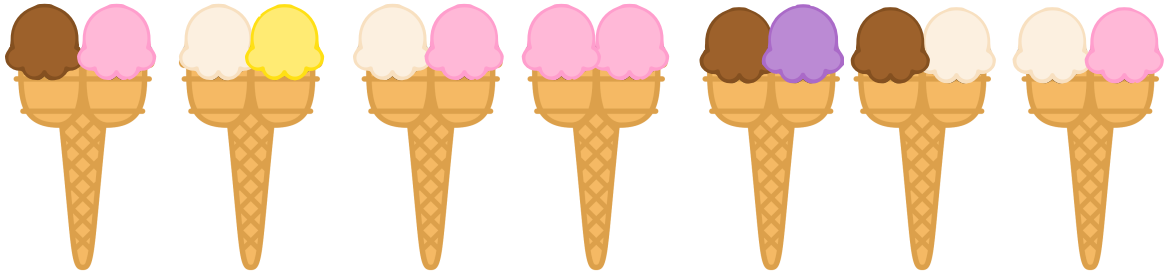
I only want ice creams that have one flavour.

How many different ice creams can I make?

Name/s: _____

MATHS QUEST 4

I only like chocolate, strawberry and vanilla ice cream.
Which ice creams would I like to eat?



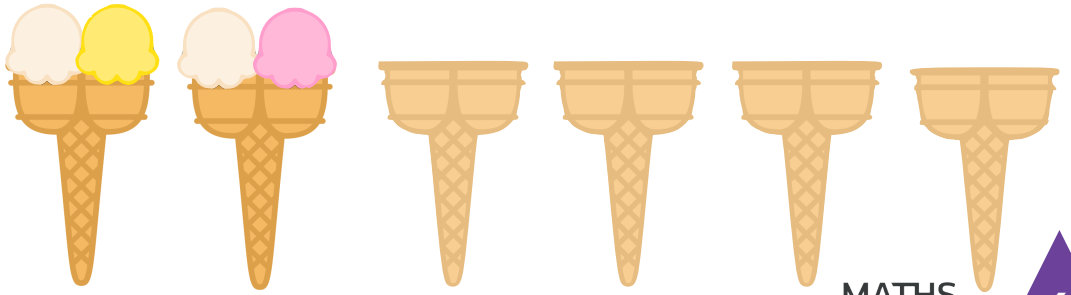
Name/s: _____

MATHS QUEST 5

I like ice creams with at least one scoop of vanilla.

How many more ice creams can I make using these flavours?

You might **not** need all the cones.



Name/s: _____

MATHS QUEST 6

If I have these four ice cream flavours, I can make 10 different double cones.

Cut out and organise the ice creams on page 7b. Which ones don't belong? Discuss why with your partner.

Organise the ten that do belong into a design that shows you've found all the possibilities.

Name/s: _____

MATHS QUEST 7a

MATHS QUEST 7b