

I always want a scoop of strawberry ice cream.

How many ice cream combinations can I make?

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Pilot Project / Draft

1

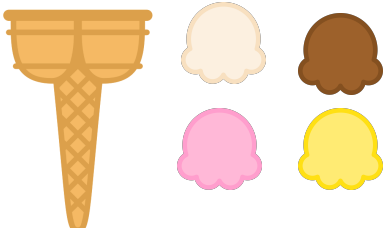
3 combinations

Strawberry / Strawberry
Strawberry / Chocolate
Strawberry / Banana

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1



I never want a scoop of chocolate ice cream.

How many ice cream combinations can I make?

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2


6 combinations

Strawberry / Strawberry	Strawberry / Vanilla
Vanilla / Vanilla	Strawberry / Banana
Banana / Banana	Vanilla / Banana

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2



I only want ice creams that have one flavour.

How many different ice creams can I make?

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3

5 combinations

Strawberry / Strawberry	Chocolate / Chocolate
Vanilla / Vanilla	Berry / Berry
Banana / Banana	

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3

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



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



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



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



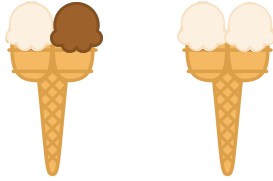
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I like ice creams with at least one scoop of vanilla.
How many more ice creams can I make using these flavours?

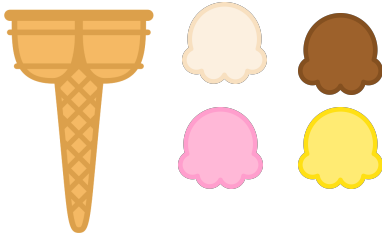


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2 more



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I always choose two different flavours.

Make all the different ice creams I can choose from.

1

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6 combinations

Vanilla / Chocolate	Chocolate / Strawberry
Vanilla / Strawberry	Chocolate / Banana
Vanilla / Banana	Strawberry / Banana

1

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I always want a scoop of chocolate and I never choose vanilla.

Can you make five different flavoured ice creams that I would enjoy?

2

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No - there are not enough combinations

2

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I like all ice cream flavours and combinations.

How many different ice creams can you make for me?

3

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15 combinations

3

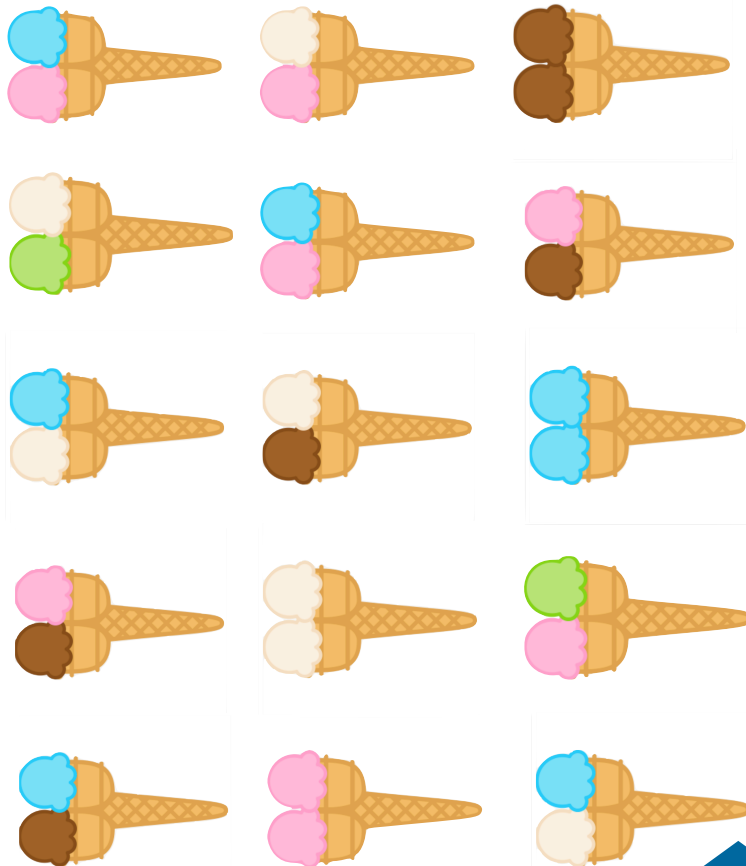
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If I have these four ice cream flavours, I can make 10 different cones.

Cut out these ice creams. Which ones don't belong?

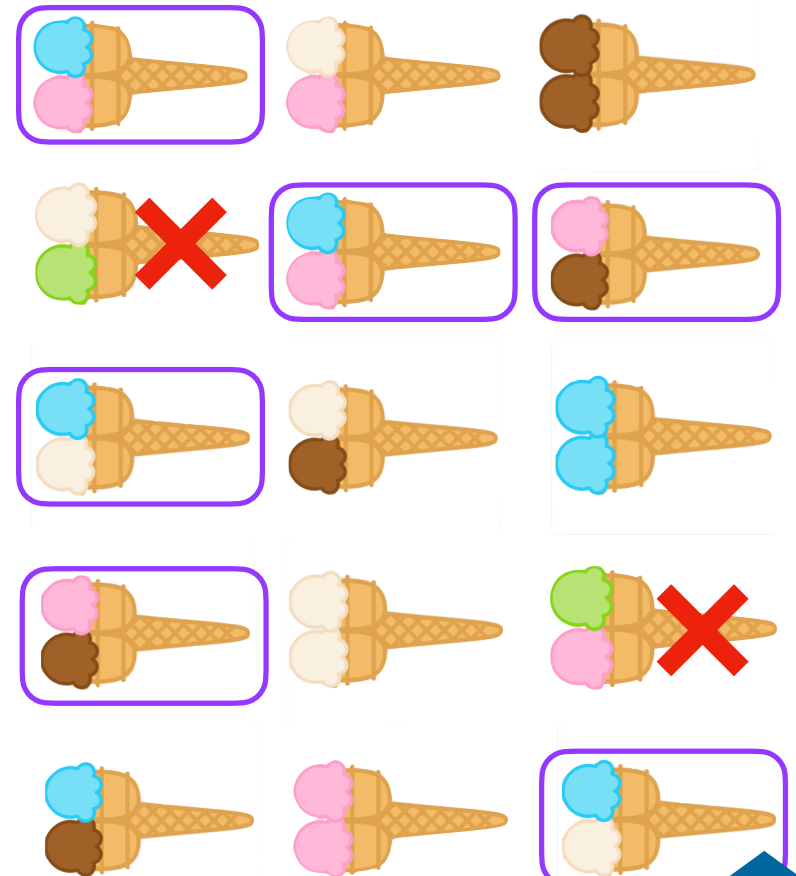
Organise the ones that do into a system that shows there are no more than 10 different cones that can be made.



Ice cream cones with a cross don't belong.

Ice cream cones in purple are duplicates, so only one of them and be used, so **10 remaining**.

Teacher evaluation of student organisation - is it logical?





I always choose two different flavours.

I always want a strawberry on top of a chocolate scoop and a cherry on top of vanilla.

How many combinations can I make with no fruit?

3 combinations



I always want a strawberry on top of a chocolate scoop and a cherry on top of vanilla.

How many combinations can I make that will include a strawberry?

5 combinations

