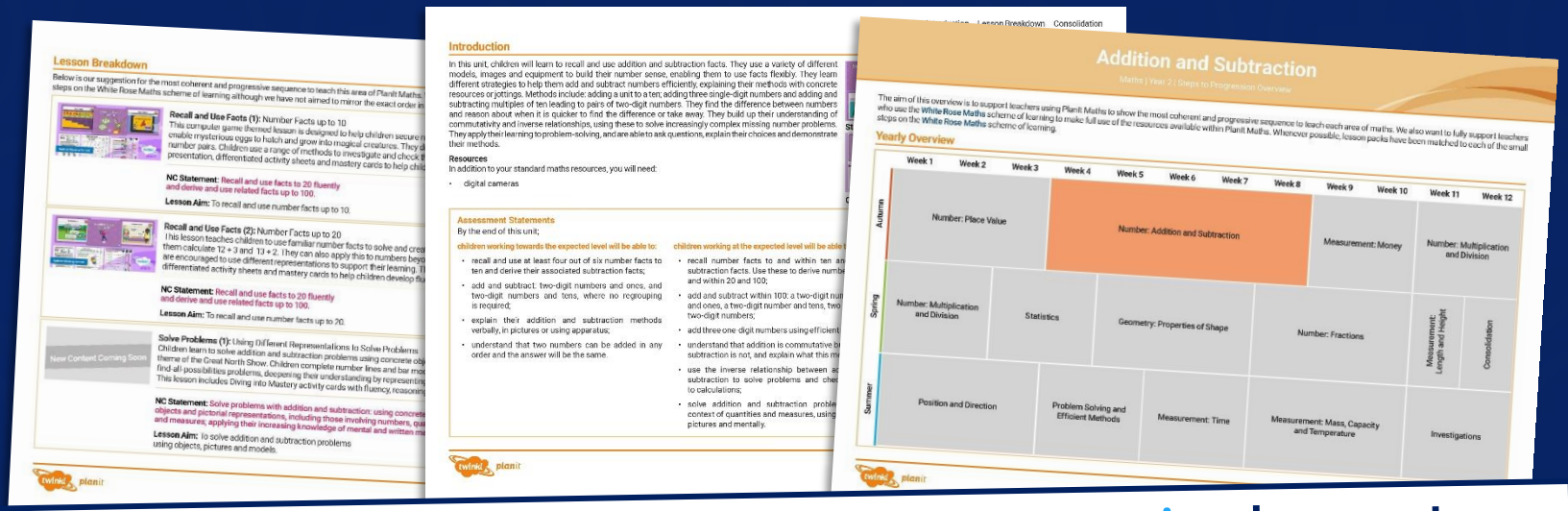
Maths

Addition and Subtraction

Need a coherently planned sequence of lessons to complement this resource?

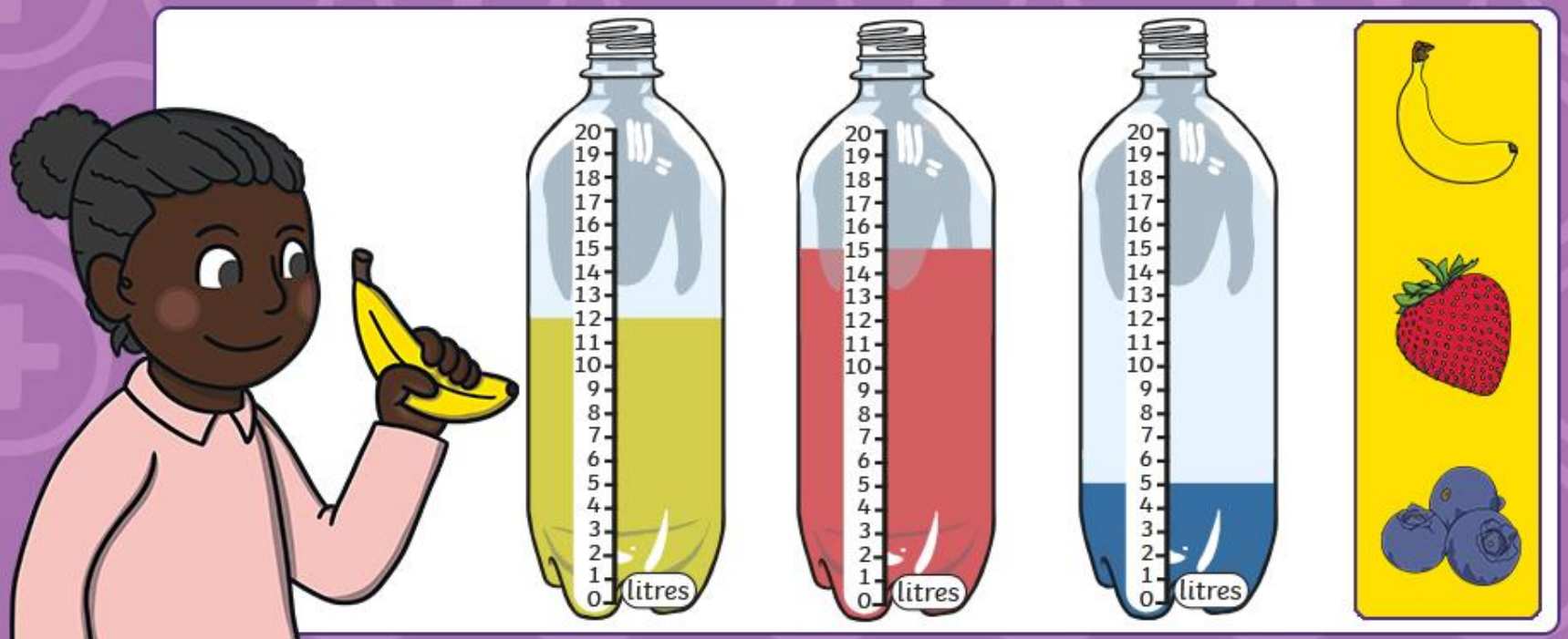


See our Addition and Subtraction Steps to Progression document.

Twinkl PlanIt is our award-winning scheme of work with over 4000 resources.

twinkl planit

Using Number Facts to Solve Measurement Problems



Aim

- To solve problems involving quantities and measures.

Success Criteria

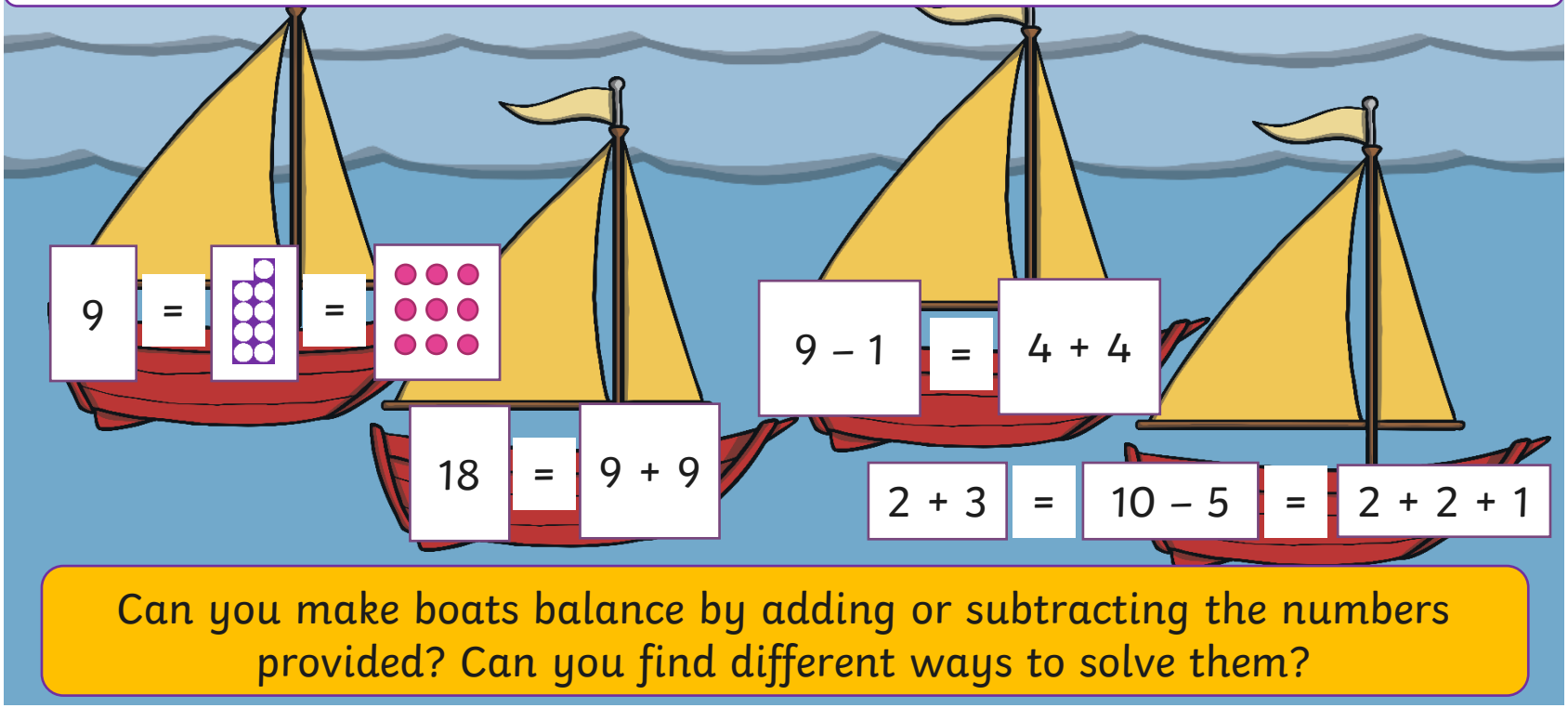
- I can use objects, pictures or models to solve challenges.
- I can use written methods to solve challenges.
- I can use mental methods to solve challenges.
- I can read a scale.

Remember It

Can you balance the boats?

The value at one side of the equals sign needs to be the same as the value of the other side or the boat will tip!

Here are some examples:



Can you make boats balance by adding or subtracting the numbers provided? Can you find different ways to solve them?

Remember It

Use each number only once. Use equipment to help you!

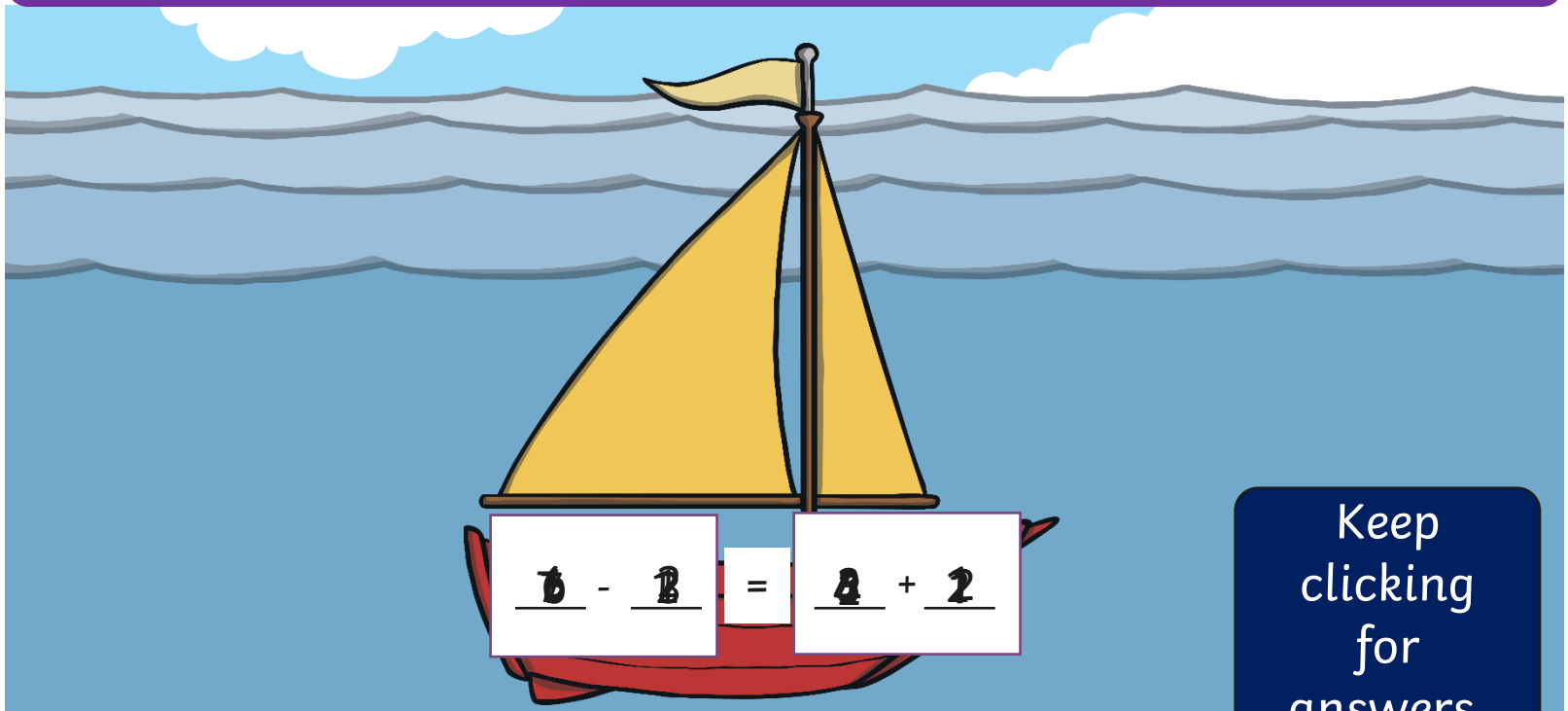
Any combination of
9 + 0, 8 + 1, 7 + 2, 6 + 3
and 5 + 4.

Answer

0 1 2 3 4 5 6 7 8 9

Remember It

Use each number only once. Use equipment to help you!



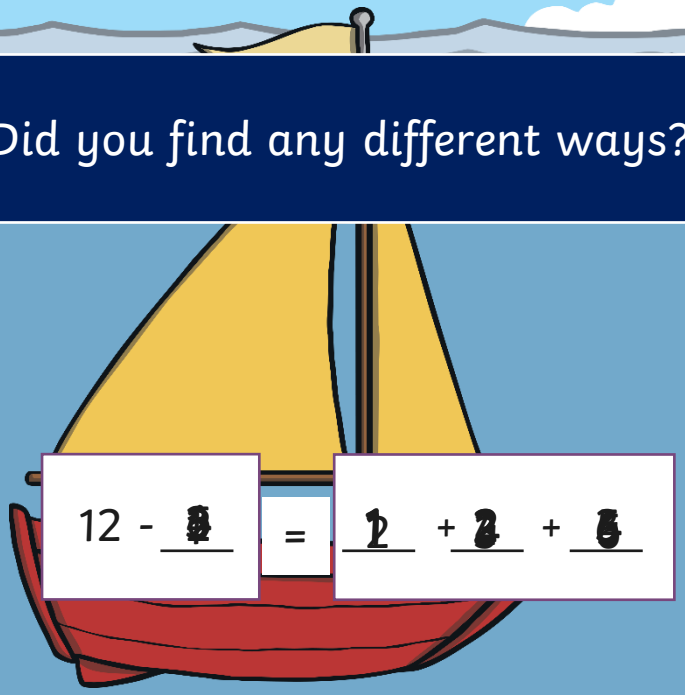
Keep clicking for answers.

0 1 2 3 4 5 6

Remember It

Use each number only once. Use equipment to help you!

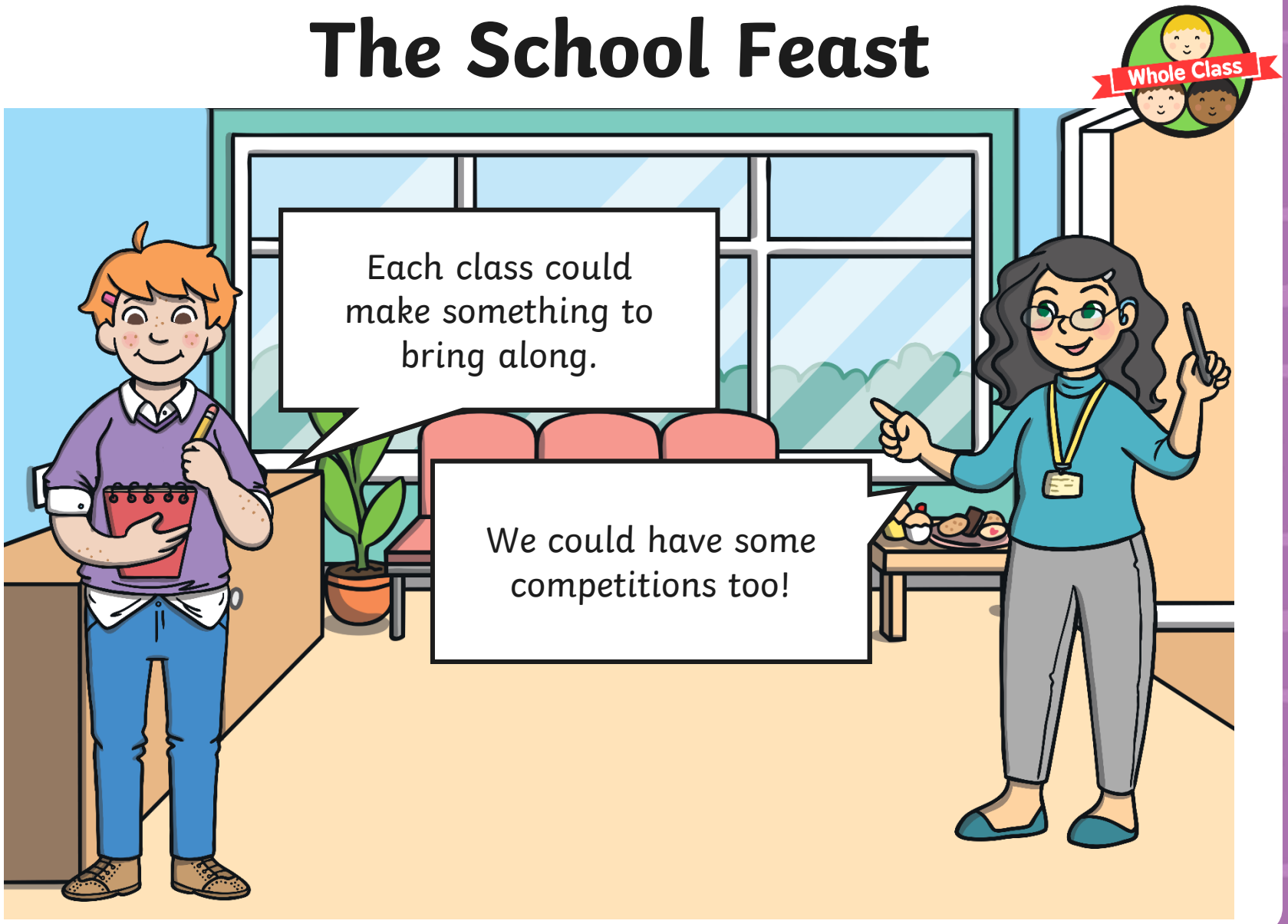
Did you find any different ways?



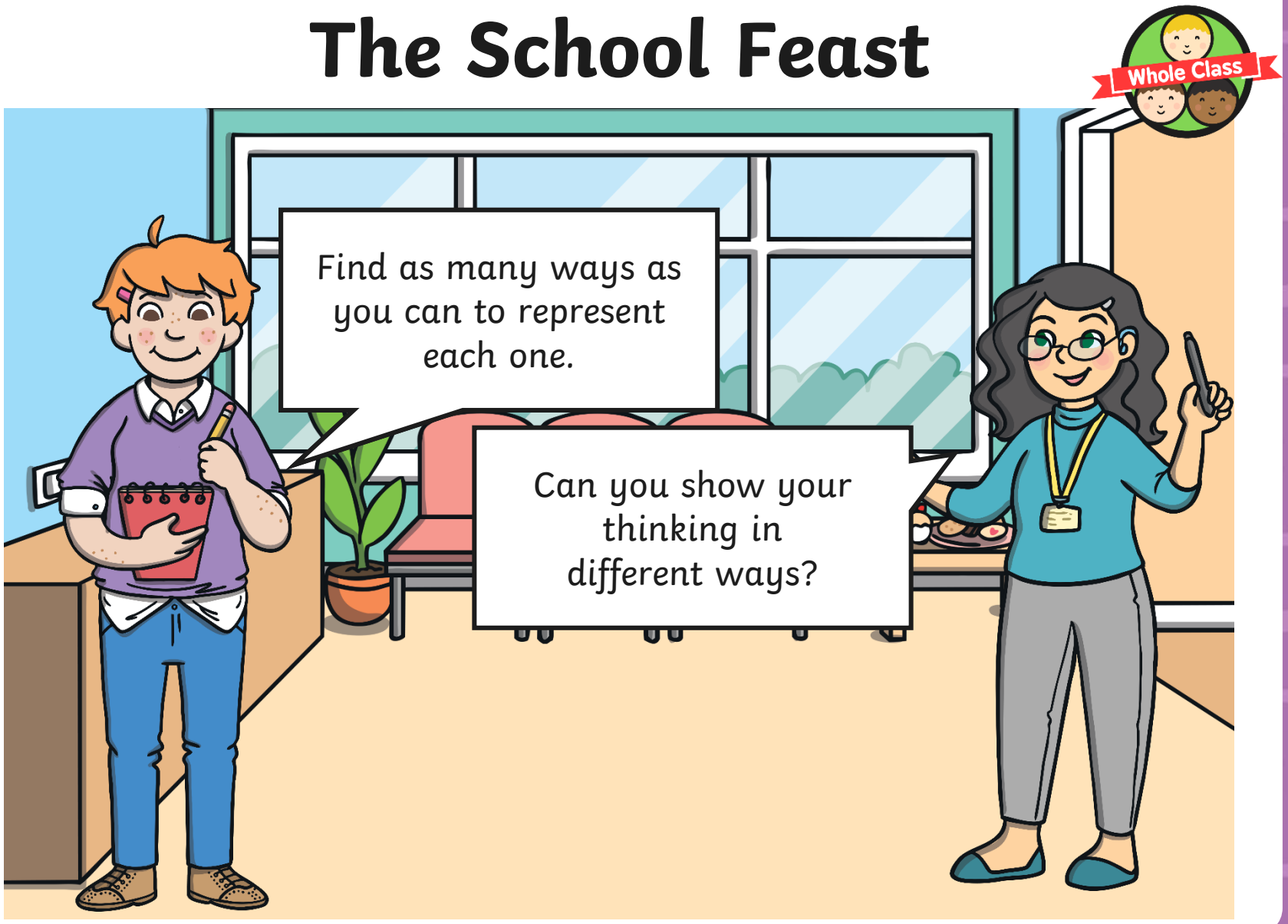
Keep clicking for answers.

1 2 3 4 5 6 7 8 9 10 11 12

The School Feast



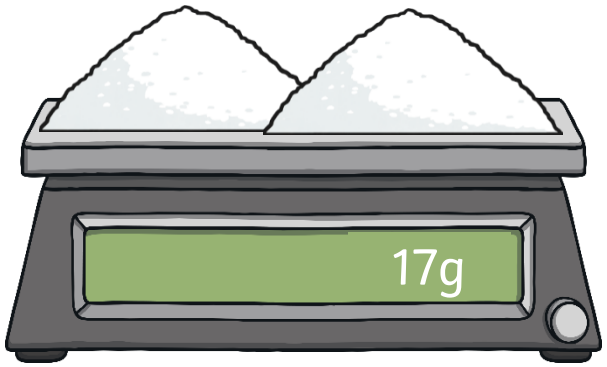
The School Feast



Preparations

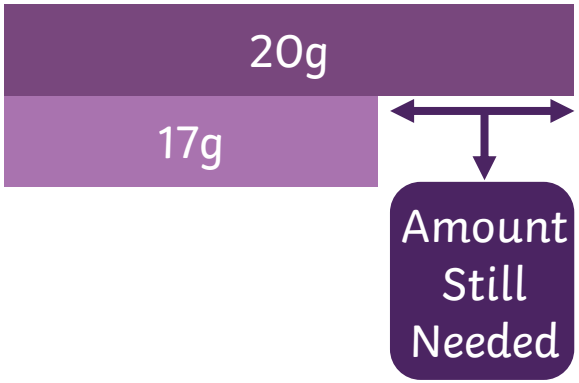
Class One have been asked to do some baking.

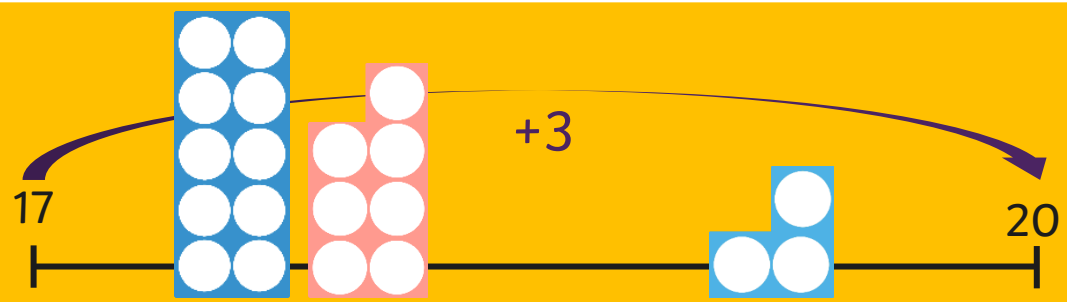
Emma needs 20g of sugar. There is 17g sugar on the scales.
How much more does she need?



Sugar Needed:

Amount on Scales:





We need 3g of sugar.

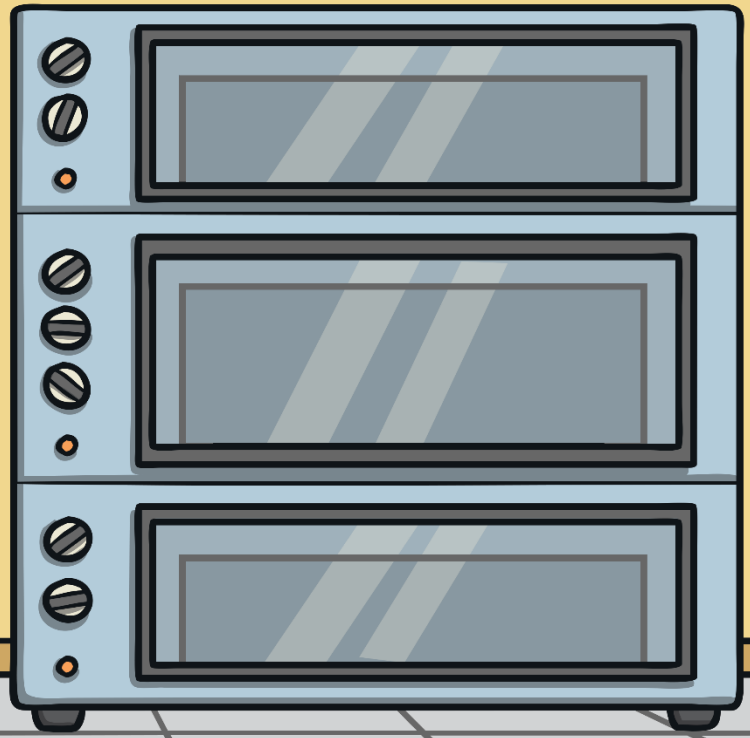
Preparations

The cookie recipe said to cook them for 15 minutes.

Alma baked them for an extra 5 minutes. How long did they bake for?

15 + 5 = 20

They baked for 20 minutes.

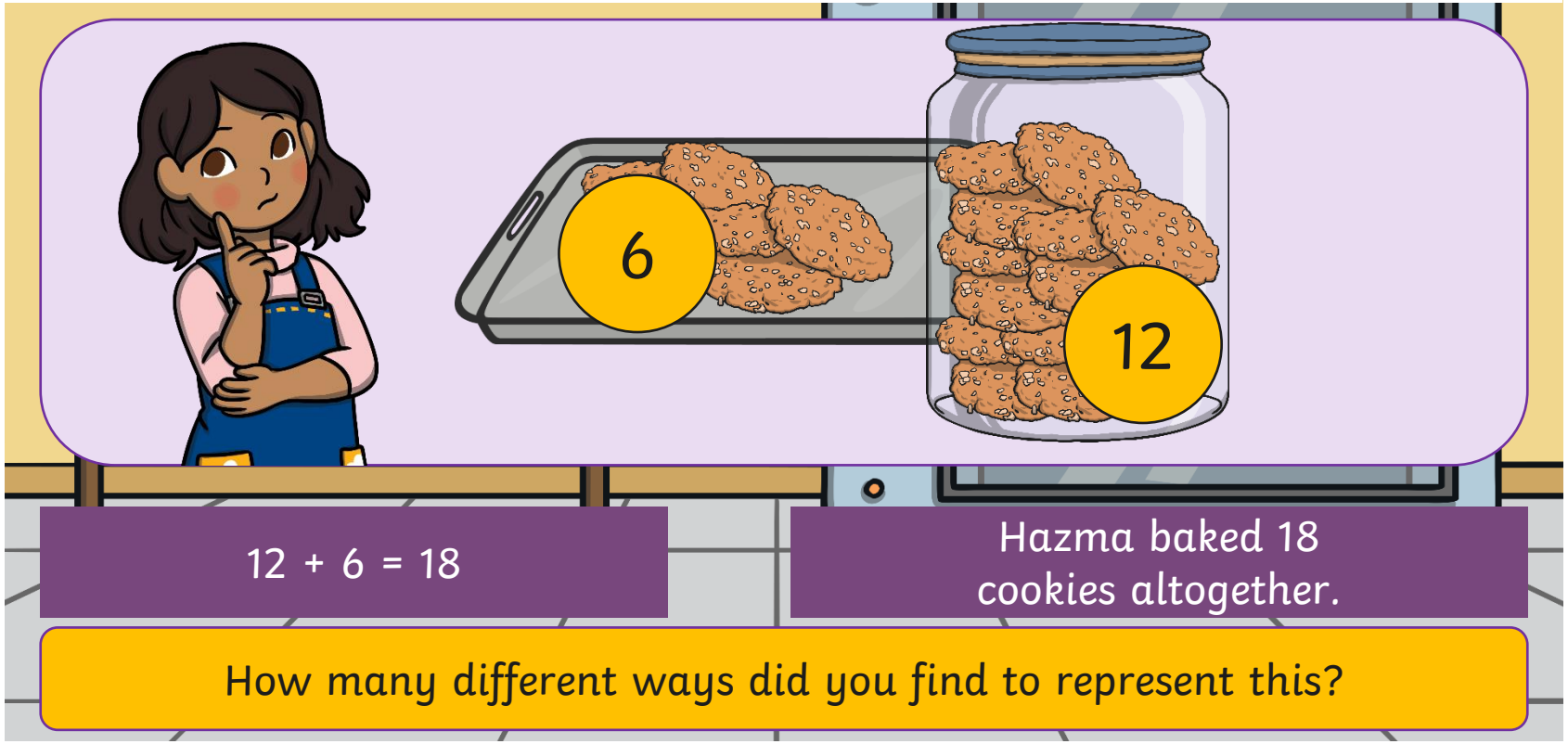


How many different ways did you find to represent this?

Preparations

After Hazma baked her cookies, she put 12 cookies into a jar.
There are 6 cookies left on her tray.

How many cakes did Hazma bake altogether?



12 + 6 = 18

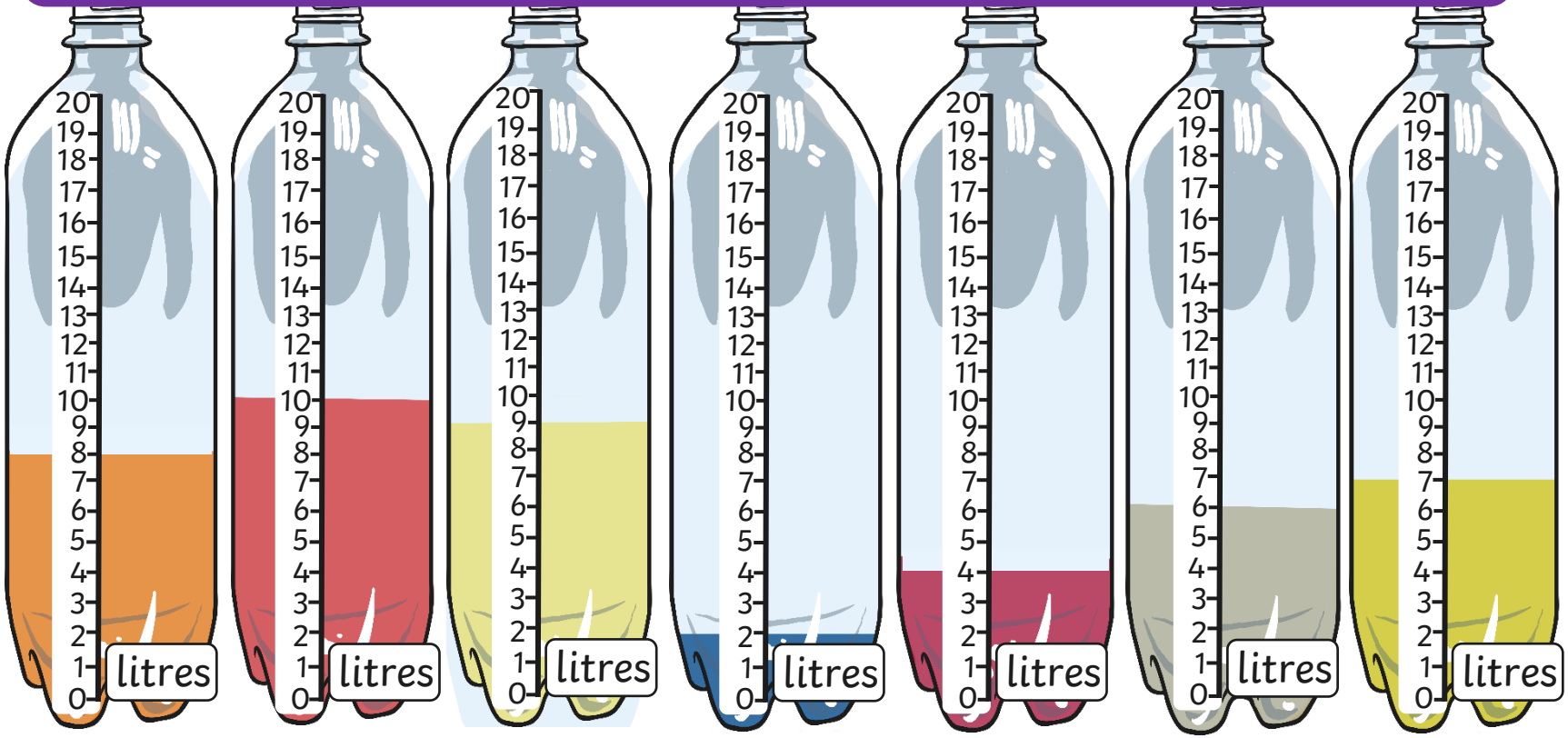
Hazma baked 18 cookies altogether.

How many different ways did you find to represent this?

Mixing Drinks

Class Two are in charge of the drinks.

They are going to make some interesting flavours!

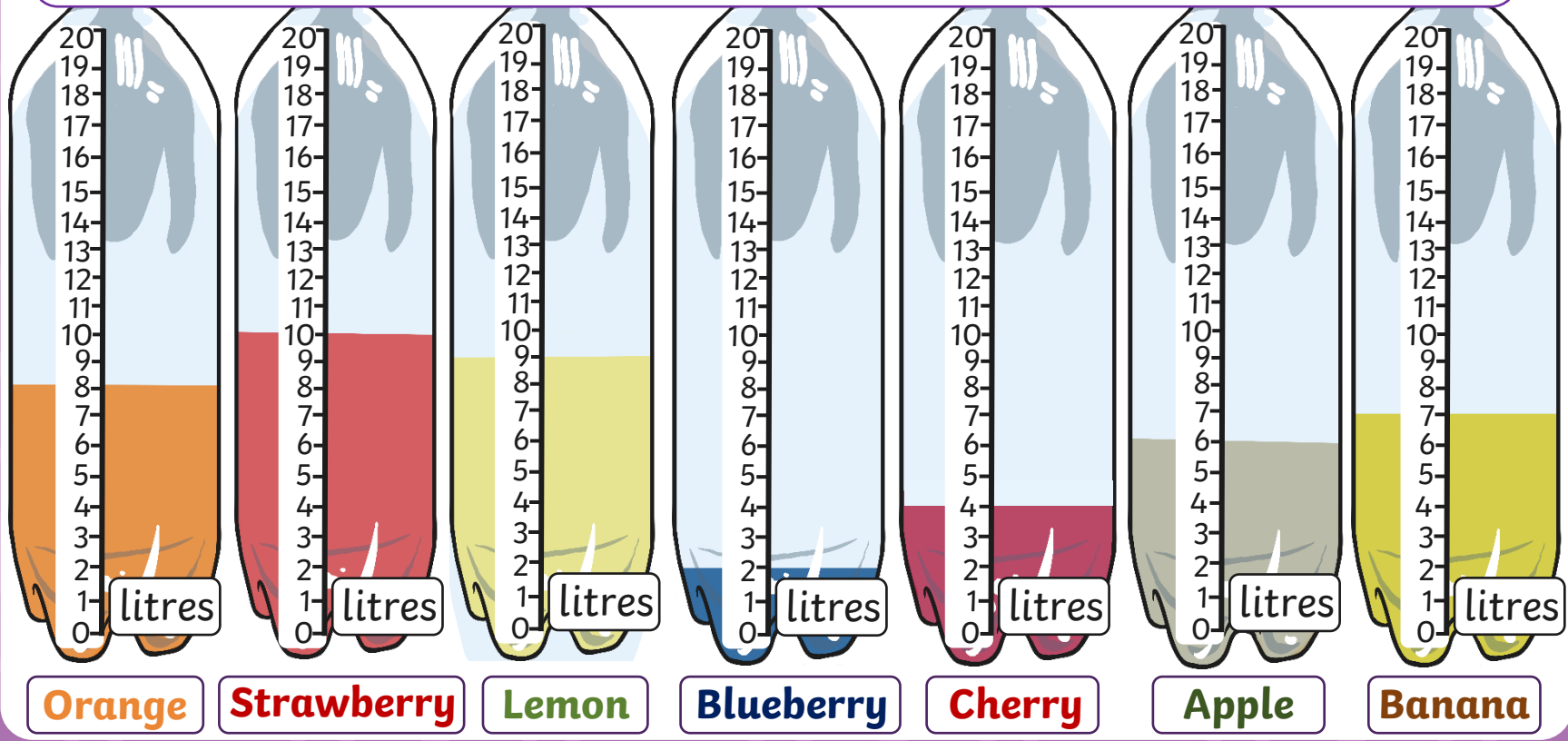


Mixing Drinks

I'm going to use all the lemon and banana to make lemana flavour.

How much liquid will there be in Aneesa's new drink?

How many different ways did you find to represent this?



Mixing Drinks

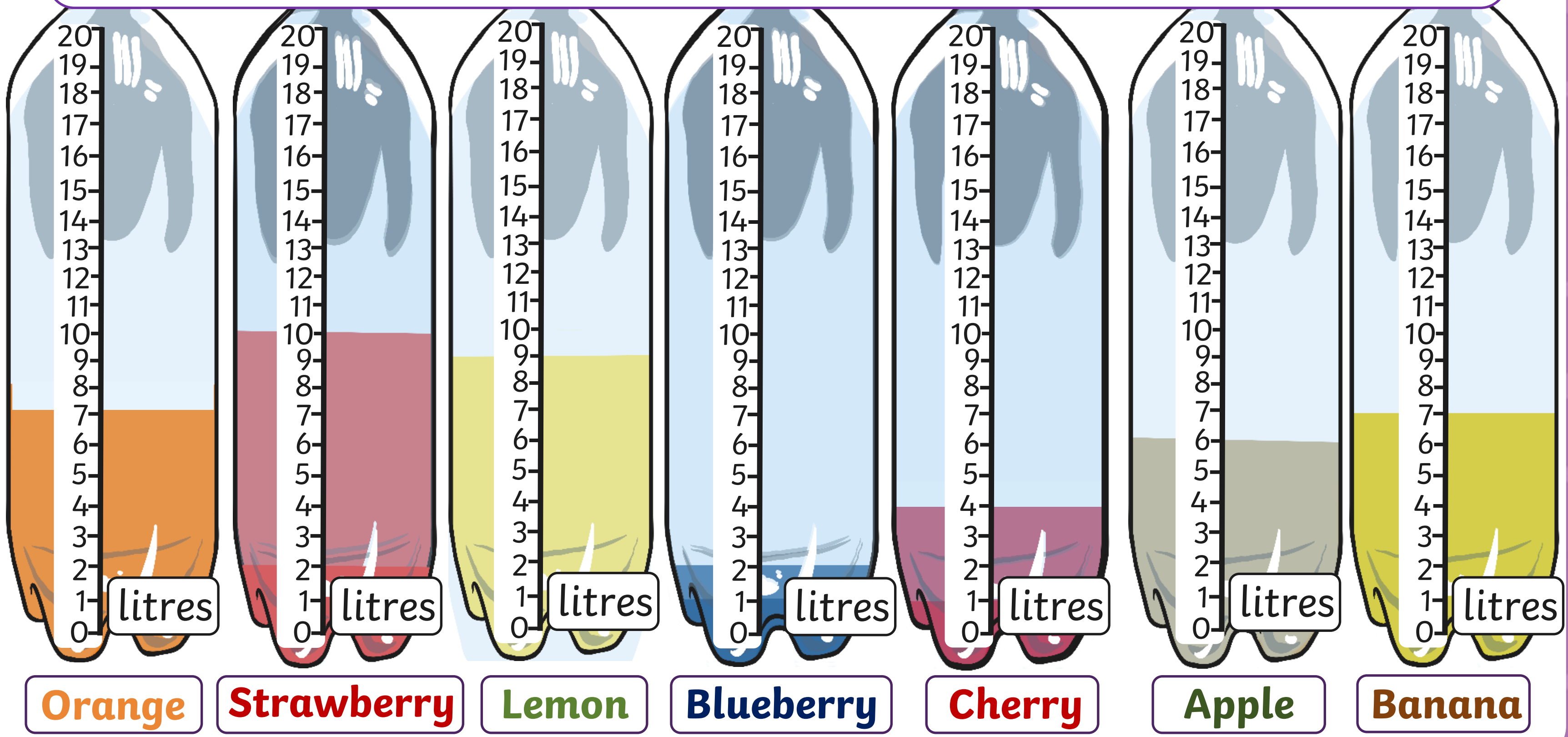
I used 3 litres of cherry, 8 litres of strawberry and 1 litre of blueberry to make bluecherryberry flavour.

How much liquid will be in Susan's new drink?

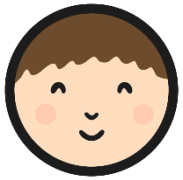
3 litres + 8 litres + 1 litre = 12 litres

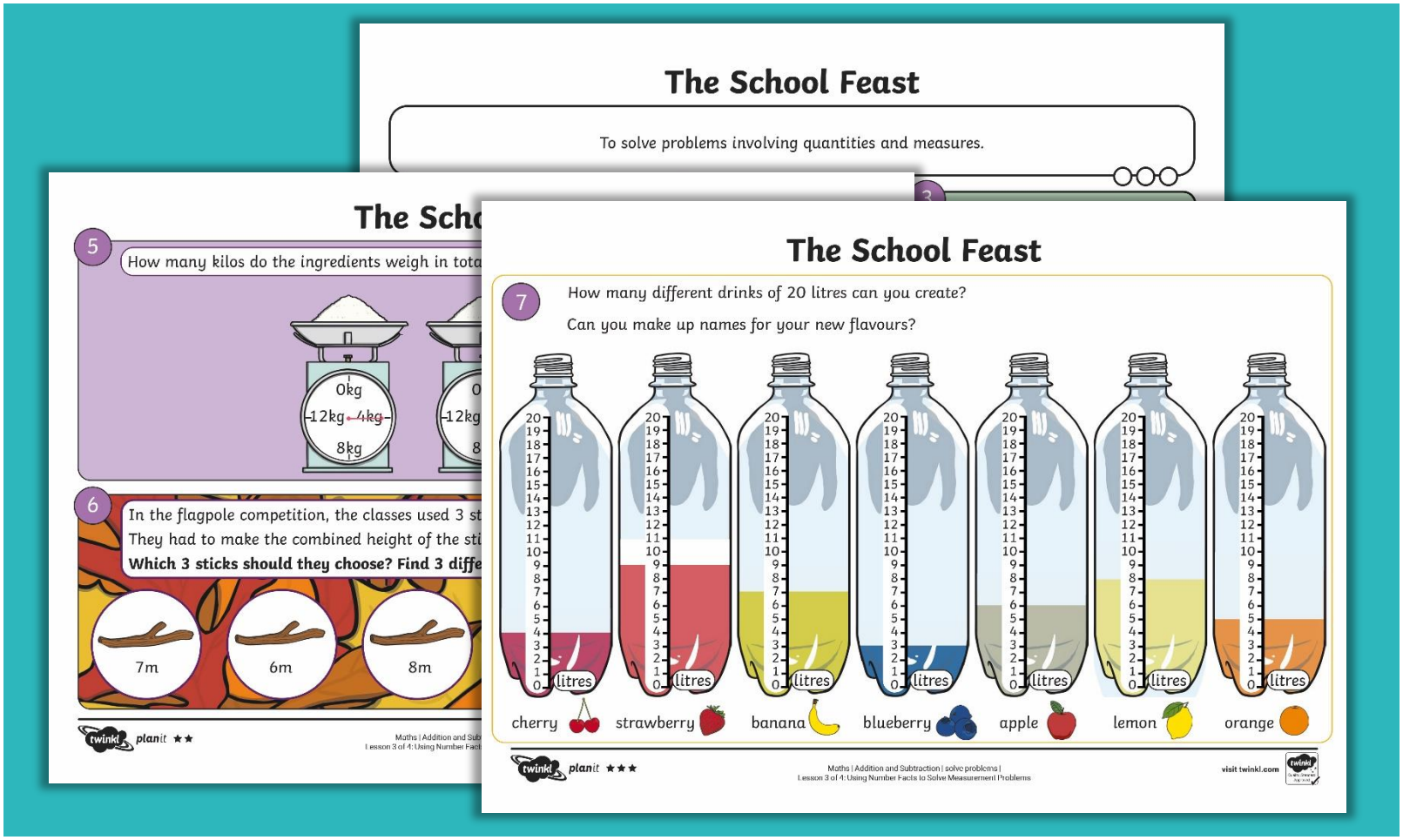
How much is left in each bottle?

Find different ways to represent this.



The School Feast





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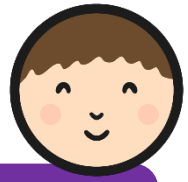
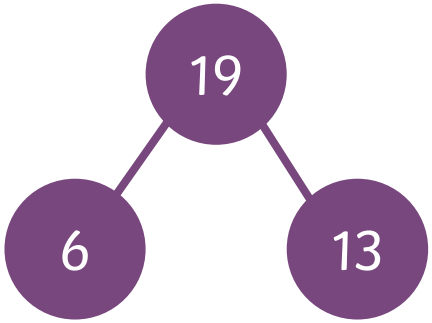
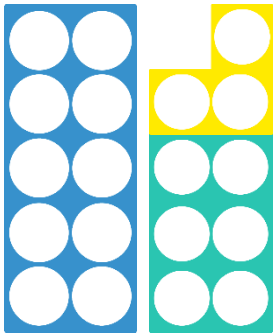
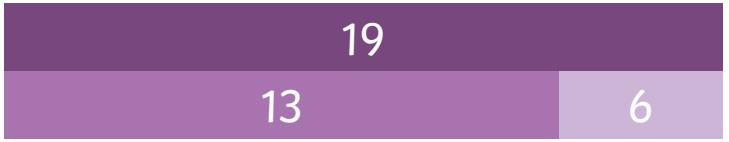


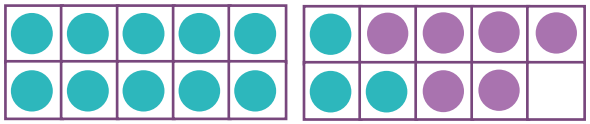
Represent your work in as many ways as you can.
Here are some suggestions:





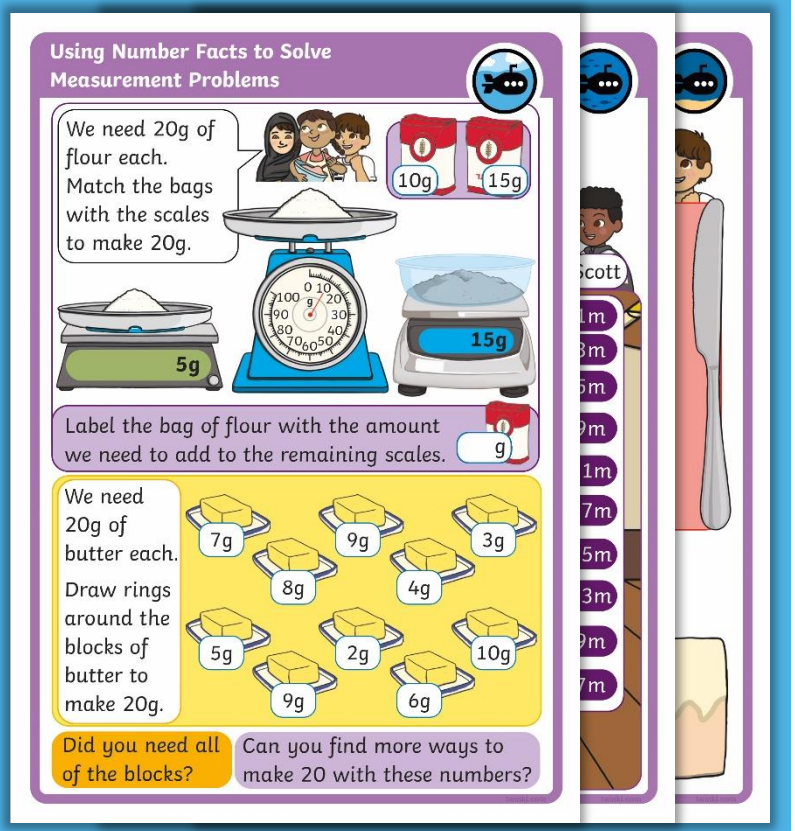


Click the models to hide them. Click here to show them all.



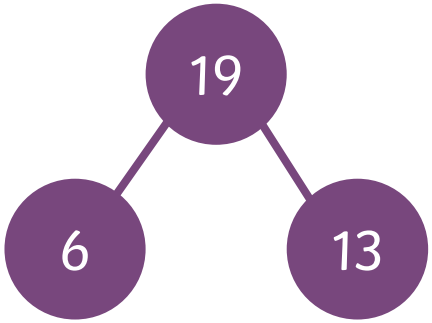
Diving into Mastery

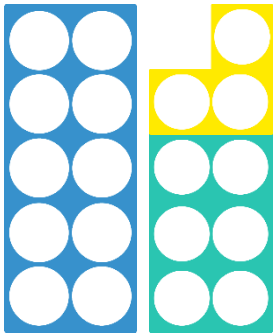
Dive in by completing your own activity!

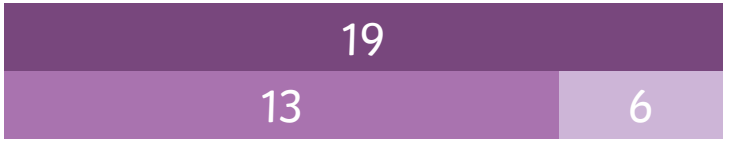


Models and Images

Which representations did you find most helpful?
Can you explain why?







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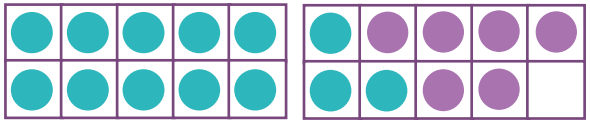

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