## twīnkl <br> planit <br> 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 Planlt is our award-winning scheme of work with over 4000 resources.

# Number Facts within 20 



## Aim

- To recall and use addition and subtraction facts within 20.


## Success Criteria

- I can recall addition facts within 20.
- I can recall subtraction facts within 20.
- I can use known facts in a context.


## Remember It

Some frogs are sitting on the lily pads.


## Remember It



## Remember It


hide


## Remember It



## Remember It



## Remember It

## Remember It



## Remember It

You could continue to play this game with cubes, hiding them under a whiteboard. Can your friend guess how many are hidden?


## Number Facts



## Number Facts



## Number Facts

$$
4+3=7
$$

$$
14+3=17
$$





## Number Facts



## Number Facts

$10-5=5$




## Make Me!

Using ten-frames and cubes or base ten blocks, represent a number up to 20 using a number fact that you are confident with.

Ask your partner to make a similar fact including a ten stick. Compare facts and write as many number sentences as you can that show the same facts, for example:


$$
\begin{array}{ll}
4+3=7 & 14+3=17 \\
3+4=7 & 3+14=17 \\
7-4=3 & 17-3=14 \\
7-3=4 & 17-14=3
\end{array}
$$

What patterns do you notice?

## The PE Lesson



## Diving into Mastery

Dive in by completing your own activity!


## Reasoning

Aima has some questions:

$$
\begin{aligned}
& 20-9= \\
& 20-10= \\
& 20-11= \\
& 20-12= \\
& 20-13= \\
& 20-14=
\end{aligned}
$$

She says that once she has worked out the answer to the first question, she can answer them all.

Is she right?
Give a reason for your answer.

## Reasoning

Ben has some questions:

$$
\begin{aligned}
& 4+4= \\
& 14+4= \\
& 24+4= \\
& 34+4= \\
& 44+4= \\
& 54+4=
\end{aligned}
$$

He says that once he has worked out the answer to the first question, he can answer them all.

Is he right? Give a reason for your answer.
Can you continue the pattern? Can you write a similar puzzle for a friend to solve?

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