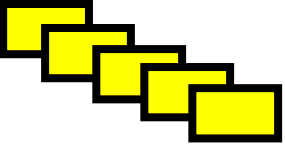


11.02.21

TBQ: Can I solve problems?



STEPS  
TO  
SUCCESS

I can use my place value knowledge.  
I can add small numbers together.  
I can work out and create codes.

Activating Prior Knowledge



What have you learnt about solving problems so far this week?

11.02.21

TBQ: Can I solve problems?

Mental  
starter

Let's count on in 8s from 0



11.02.21

TBQ: Can I solve problems?

1	2	3	4	5	6

2  
5  
8  
8  
7  
7

The secret code to open the school safe is 2 5 8 8 7 7.  
Can you work out how I know?



Write your explanation below this slide...  
Then, watch the video to find out if you were correct.

11.02.21

TBQ: Can I solve problems?

1	2	3	4	5	6

4

9

3

5

4

6

Can you design a pattern where the secret code is 4 9 3 5 4 6?

You can do this in the grid below...

Is there more than one way of making a pattern for this code?

How many ways can you find?

11.02.21

TBQ: Can I solve problems?

1	2	3	4	5	6

Draw a 6-digit pattern for somebody else to solve (we can use them as challenges in the future!).

Shade in the boxes on the grid below.

11.02.21

TBQ: Can I solve problems?

Design a code of your own.

Your code must include numbers.

Your code must be used to decipher word messages.

Write out the following message using your code:

WHEN SPIES USE BUGS AND CODES FOR SOLVING **G**  
MYSTERIES, THEY JAIL VILLAINS QUICKLY.

Use your code to write out your own secret message.

e.g. if  $7 = g$ ,  
my question  
could be  $18 - 11$

Your code might have 1 number representing a letter, but you could get the code breaker to answer a Maths question to find each letter they need

11.02.21

TBQ: Can I solve problems?

How do you feel about your learning today?

