

Diving into Mastery – Deepest

Adult Guidance with Question Prompts

Children solve a 'find all possibilities' problem by writing all the calculations that represent Freddie's socks that have blown off the washing line. Children could use practical equipment such as number shapes to help with this problem or they could also act out the problem with socks and a washing line.

Which number do we need to start on each time?

How many shall we count back first?

Can you write a calculation to describe what you have done on the number line?

How will being systematic, following the pattern of the numbers, help us to find all the possible answers?

What if all the socks have blown away?

How many will he have left?

Have you found all the possible ways?

How can you be sure?

Subtraction – Not Crossing 10



I hung my socks on the line.
Some have blown away.

How many socks could be left? Find all the different possibilities using the number line.

Write a calculation for each one.



$$8 - \square = \square$$



How many different subtraction calculations have you written?