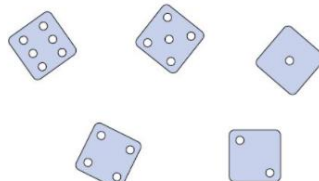


Year 1

Learning/Composite Goals: Addition and Subtraction

By the end of this topic you will be able to say:

To read, write and interpret mathematical symbols '+', '-' and '='.	How to achieve the component goal? $7 + 4 = \underline{\quad}$ Will this number get bigger or smaller? Explain why. Deepening Understanding $7 + 3 = 10$ $10 - 3 = 7$ $10 - 7 = \underline{\quad}$ What pattern do you notice?
To represent and use number bonds adding and subtracting up to 20.	How to achieve the component goal? $13 + \underline{\quad} = 20$ $20 - 7 = \underline{\quad}$ $7 + \underline{\quad} = 20$ Deepening Understanding: How many different ways can we make 20? Show me.
To add and subtract one digit and two digit numbers up to 20.	How to achieve the component goal? $12 + 4 = \underline{\quad}$ $17 - 2 = \underline{\quad}$ Deepening Understanding: Mr Cove says if I add a one digit number to another one digit number, I can never make a two digit number. Is he correct? Explain why.
To solve one step problems that involve pictorial and concrete representations involve addition and subtraction.	How to achieve the component goal? $7 + \underline{\quad} = 13$ $7 + \underline{\quad} = 14$ Deepening Understanding: Circle the three dice that add up to 13 
To compare units of length, mass, capacity and time.	How to achieve the component goal? Is 11cm longer than 14cm? How do you know? Deepening Understanding Can you draw a rectangle 7cm long and 3cm wide?
To practically measure and record the measures of length, mass, capacity and time.	How to achieve the composite goal? How many minutes in an hour? Deepening Understanding: Mr Cove says '72 minutes is shorter than one hour'. Do you agree with him? Explain why.

Composite Goal: To solve explanation and reasoning addition and subtraction problems.