

# BRIDGING THROUGH 10: ADDITION


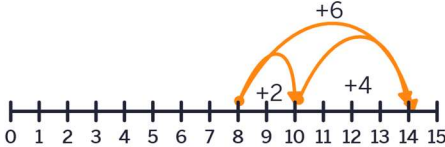
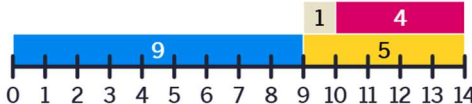
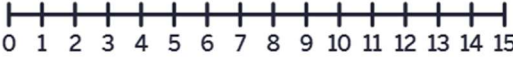
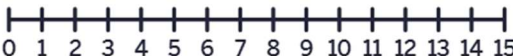
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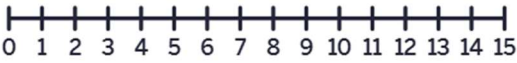
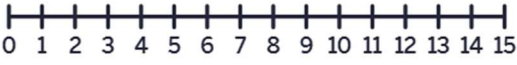
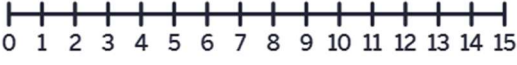
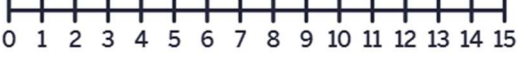
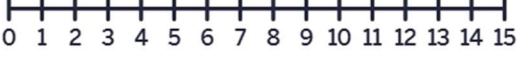
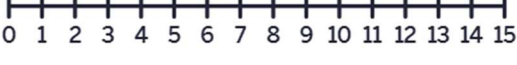
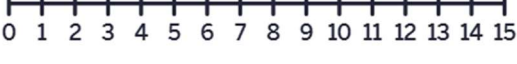
Bridging through 10 is a useful addition strategy. It involves adjusting numbers in a problem to create a sum of 10, which simplifies the calculation.

## Bridging Through 10 With Cuisenaire Rods

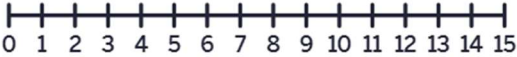
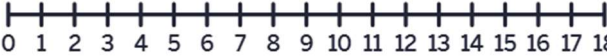
Use Cuisenaire rods or sketches to model the following additions. Draw the calculation on a number line, then write it as an equation. The first problem has been solved for you. Once you have finished, check your answers on a calculator. Images were created using free virtual manipulatives available at [Polypad.com](https://www.polypad.com).

Question	Rods	Number Line	Equation
1			$8 + 6 = 8 + (2 + 4) = 10 + 4 = 14$
2			$9 + 5 = 9 + (\underline{\quad} + \underline{\quad}) = 10 + \underline{\quad} = \underline{\quad}$
3			$7 + 8 = 7 + (\underline{\quad} + \underline{\quad}) = 10 + \underline{\quad} = \underline{\quad}$

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4			$8 + 6 =$
5			$2 + 9 =$
6			$6 + 5 =$
7			$7 + 6 =$
8			$8 + 5 =$
9			$9 + 6 =$
10			$6 + 7 =$
11			$5 + 7 =$

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12			$9 + 9 =$