

Name:

Date:

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 <u>Polypad.com</u>.

Question	Rods	Number Line	Equation
1	4 2 1 1 8 1 6 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	+6 +2 +4 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	8 + 6 = 8 + (2 + 4) = 10 + 4 = 14
2			
	1 4 9 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1		9 + 5 = 9 + (+) = 10 + =
3			7 + 8 = 7 + (+) = 10 + =
		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	

BRIDGING THROUGH 10: ADDITION



4		8 + 6 =
	I I	
5		2 + 9 =
	Image: 1 Image: 1	
6		6 + 5 =
	Image: 1 Image: 1	
7		7 + 6 =
	Image: 1 Image: 1	
8		8 + 5 =
	I I	
9		9 + 6 =
	Image: 1 Image: 1	
10		6 + 7 =
	Image: 1 Image: 1	
11		5 + 7 =

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BRIDGING THROUGH 10: ADDITION



	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	
12		9 + 9 =
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	