



Bridging through 10

1.0 First Past the Post

Materials you need...

- Base 10 blocks (ones and tens) or a numberline
- 1-6 dice (play if adding up to 20)
- 0-9 dice (play if adding up to 50 or 100)

Players take it in turn to throw the dice and add that many ones to their track. Every time they collect ten ones they exchange it for a ten stick. The winner is the first to reach 20 (or 50 or 100).

2.0 Breaking the Boundary

Materials you need...

- Cuisenaire rods
- 1-6 die x2
- Number line

Players take it in turn to throw both dice. Add the numbers by representing them on the number line or using the Cuisenaire rods.

Start with the biggest number and add the smallest. If you go over ten break the smaller number to reach ten and what is left over. If using the number line draw an arch to the biggest number and then two smaller arches, one reaching ten and the other showing what is left. If using the Cuisenaire rods do the same but using the rods.

The first person to score four times over 10 wins.



3.0 Bridging through multiples of 10

Materials you need...

- Cuisenaire rods or a numberline
- 000-900 dice
- 00-90 dice
- 0-9 dice x2

Players take it in turn to throw the (000-900 if want 3 digits) 00-90 and 0-9 dice. They make a 2 digit number. Throw the 0-9 dice again. Add these two numbers together. If bridge past the next 10 record it.

Alternatives to this include...

...Look also at ± 10 to the 2 digit number. Can they see a pattern to the answer.

...Look at representing the addition through Cuisenaire rods and numberline.

...Show as a two digit – two digit = 1 digit.

...Could also do 3 digits plus a tens number to look at bridging through hundreds.

4.0 Bridging through Subtraction

Materials you need...

- Cuisenaire rods
- 11-15 Spinner
- 4-9 dice



Take it turns to spin the spinner to find your starting number. Show this number using the rods.

Throw the dice. This is the number you are subtracting. If you do not need to break into the 10 rod your turn is over. If you do you need to exchange the ten rod for two smaller rods of equal total value where part represents the amount that is left to still take away. Record this answer.

First to record three answers wins.