

Beanbag Maths 1

A Numicon subtracting from 10 activity for groups or pairs

What you will need per group – outdoor activity

- Basket or box of 10 beanbags
- Chalk
- Numicon Large Foam 10-shapes (optional)

What to do – outdoor activity

- This part of the activity needs to take place in the playground or a large open space.
- Split children into small teams. With chalk, draw one 10-frame for each group of children on the playground floor (see diagram below) and fill it with 10 beanbags. (You could use a Numicon Large Foam 10-shape to draw around, if available.)
- Draw a line to indicate the start line. This is where the runners line up.
- In their teams, children take it in turns to run to the 10-frame and take a beanbag back to the box or basket. Encourage children to take beanbags from the furthest point first.
- Wait until children have removed several beanbags from the 10-frame and call out 'Stop'.
- Agree that each team started with 10 beanbags.
- Ask children: how many beanbags have you brought back? In your teams, can you make a number sentence to show how many beanbags are left? For example: $10 - 4 = 6$
- Play again. Each time you play, you should vary the amount of time for collecting beanbags, so that children create a variety of subtracting calculations.

Extensions and questions for both activities

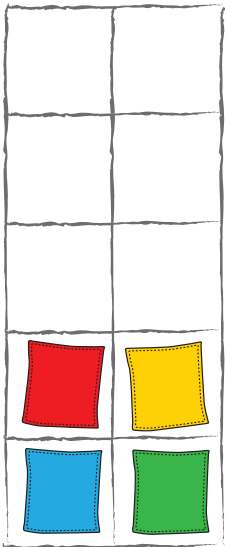
- Challenge children to find the corresponding adding sentence for each subtraction and discuss them.
- Spinner game:
 - Use different start numbers within 10, for example start from 5 pegs or 8 pegs.
 - Use two Numicon 10-shapes – pairs work together to find number bonds within 20.

What you will need per pair – indoor activity

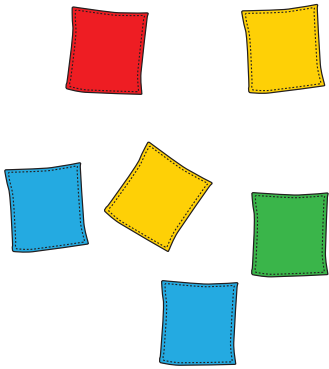
- A copy of this sheet (**Please note:** this is an A3 document and needs to be printed at 100%)
- Numicon 10-shape $\times 2$
- Numicon Pegs $\times 20$
- 0–9 Spinner, using a Numicon Spinner with Overlay provided below, **or** the spinner on this sheet, made with pencil and paperclip
- Whiteboards and pens, **or** paper and pencil for recording

What to do – indoor activity

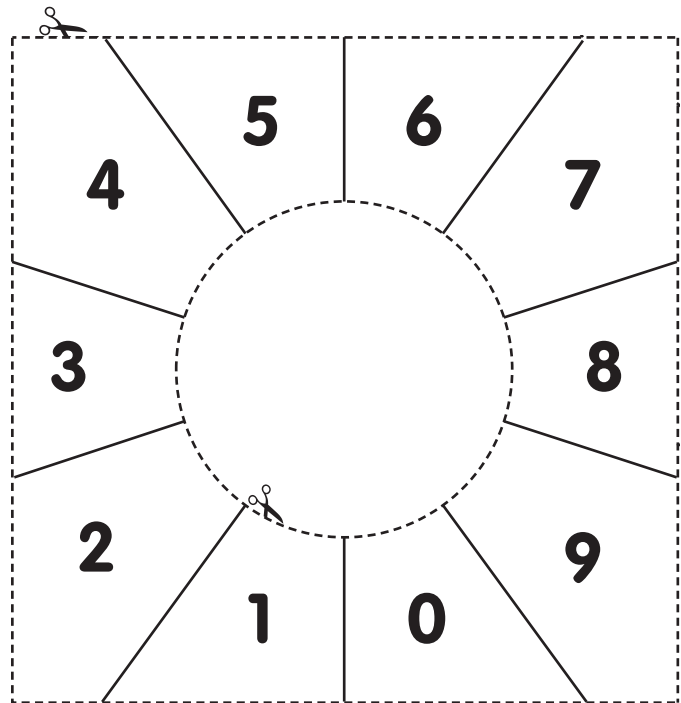
- Children work in pairs. Each pair needs a 0–9 spinner, one Numicon 10-shape and 10 pegs.
- In pairs, children take their Numicon 10-shape and fill it with 10 pegs.
- Children take it in turns to spin the spinner. They remove that number of pegs from the Numicon 10-shape and put the pegs to one side.
- Encourage children to say the calculation and record the number sentence. For example, $10 - 5 = 5$.
- Children refill the 10-shape and play again.



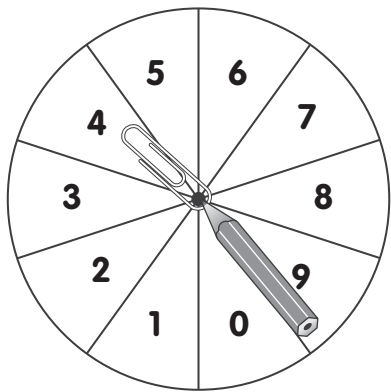
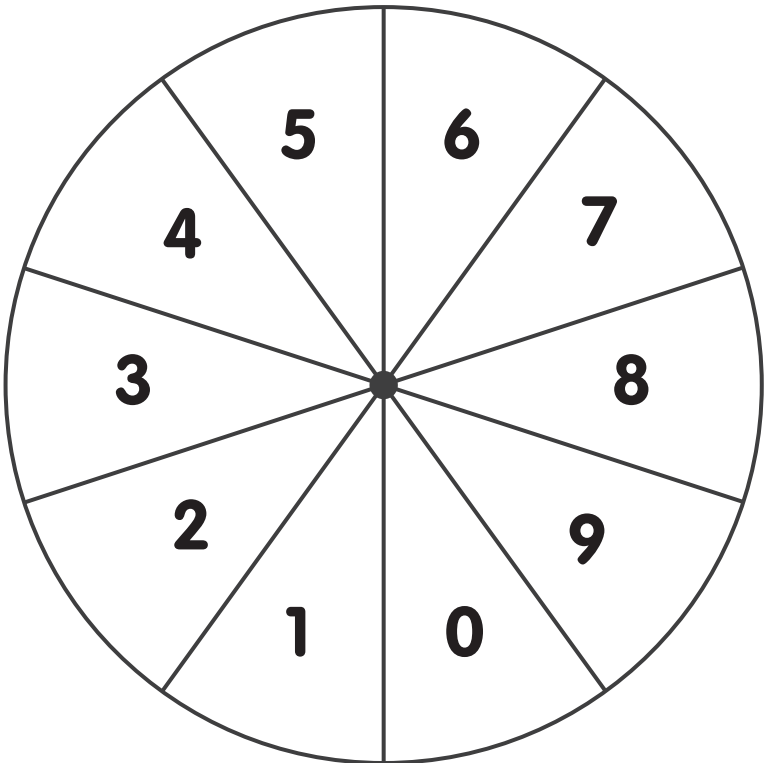
Start Line



Spinner overlay



Spinner



Use a pencil and paper clip to make the spinner on this sheet, as shown here.