

Spring Flowers 2

A Numicon doubling and halving activity

What you will need

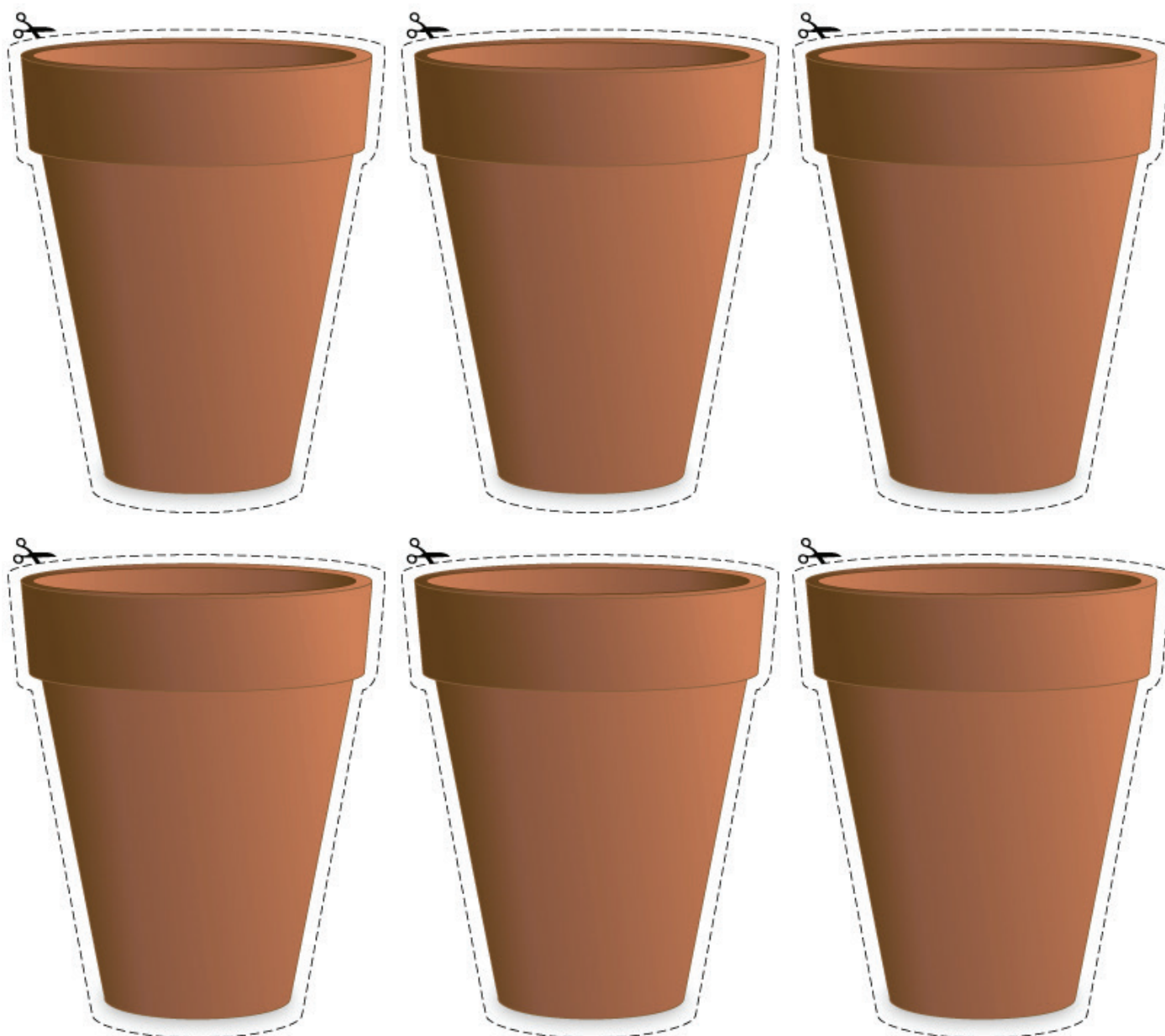
- One copy of this flowerpots sheet and the flowers sheet, printed on card, with the flowers and pots cut out
- Numicon 0–5 dice or Spinner with 0–5 Overlay (and 5–10 dice for Extensions and questions)
- Extra Numicon Shapes (for the Extensions and questions).

What to do

- Ask children to roll a dice and arrange their pots in the Numicon Shape pattern of the number they roll.
Then roll the dice again and put that number of flowers in each pot.
- Ask children how many flowers there are in the pots altogether. Then explore how many flowers they will have if they double the number of flowers in each pot.
- Now children can try halving. Remove the flowers from the pots. Roll the dice for each pot and put that number of flowers inside. Ask children to take each flowerpot and investigate whether the number of flowers in the pot can be halved e.g. this pot has six flowers in it, can the number of flowers be halved? Encourage them to record their investigations and see if they notice a pattern.

Extensions and questions

- Roll the 5–10 dice to decide the number of flowers that will go in one pot.
- Then ask the children if they can find how many flowers and how many pots there will be altogether if they double the flowerpots? E.g. if there are five flowers in one pot, after doubling the children will have 10 flowers and two pots. If they double the flowerpots again they will have 20 flowers and four pots, and so on.
- Ask the children if they can spot any connections between their totals, for example: the total number of flowers in four pots is double the total in two pots; the total in five pots is half of the total in ten pots. Can this information help them to predict any other totals, such as how many flowers would be in 20 pots?



Spring Flowers 2: Flowers sheet

