

Spring Chicks 3

A Numicon fractions activity

What you will need

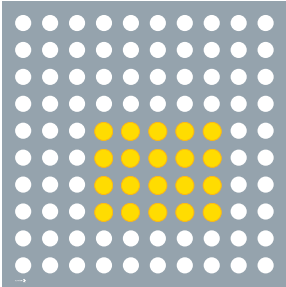
- Numicon 1-shape × 20
- Chick pictures cut from this sheet, to put on the 1-shapes (optional) **Please note:** this is an A3 document and needs to be printed at 100%
- Sorting rings × 4 (or use the template on this page)
- For Extensions:
 - Numicon Counters
 - Numicon Baseboard Laminate

What to do

- Some baby chicks are born. There are more than 10 chicks but fewer than 20. The farmer puts them into 3 different nests.
- $\frac{1}{6}$ of the chicks go in Nest 1, $\frac{1}{3}$ in Nest 2 and $\frac{1}{2}$ in Nest 3. Can you work out how many chicks were born altogether? Is there more than one possible answer?
- If the farmer wants to put a third of the chicks that were in Nest 3 into Nest 4, what fraction of the baby chicks will be in the 4th nest?
- What fraction of the baby chicks will be left in Nest 3?

Extensions and questions

- Make a 5 × 4 array using counters and a baseboard. This represents 20 chicks.



- Partition the array in as many different ways as possible to show fraction amounts of the whole e.g. $\frac{2}{5}$ of 20.
- Record your different solutions.
- Another farmer has 20 eggs. $\frac{4}{5}$ of these hatch into ducklings. $\frac{1}{4}$ of the ducklings go into an incubator to keep warm. What fraction is this? How many ducklings will this be?

Nest 1

Nest 2

Nest 3

Nest 4

