

Chicken scramble

Syllabus focus area and content group

Representing numbers using place value A

- Whole numbers: Read, represent and order numbers to thousands
 - Group physical or virtual objects to show the structure of tens, hundreds and a thousand
 - Regroup numbers flexibly, recognising one thousand as 10 hundreds and one hundred as 10 tens or 100 ones
- Whole numbers: Apply place value to partition and regroup numbers up to 4 digits
 - Record numbers using standard place value form
 - Partition numbers of up to 4 digits in non-standard forms

Suggested outcomes

- MAO-WM-01
- MA2-RN-01

Resources

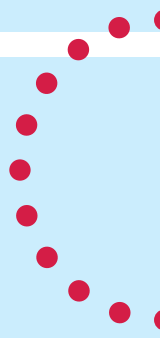
- Red, yellow, green and blue Counters (to act as grain)
- Hoops (1 per 2 students)
- Chalk
- Student workbooks or white boards

Activity set up

- Arrange hoops spaced 2 metres apart in a circle in a flat area.
- Place a large collection of counters, 'grain', in the middle of a large, flat surface. (NB: It is important for student safety to spread these out to avoid students running into each other)
- Inform students of the value of each coloured counter:
 - Red - thousands, Yellow - hundreds, Green - tens, Blue - ones

Learning task

- In pairs students collect as many pieces of 'grain' as they can in 4 minutes, returning their collection to their 'nest'. (hoop)
- Students partition the pieces of 'grain' they have collected.
- Students calculate the total represented by their grain.
- Students share the strategy they used to calculate the total.
- During the activity, ask students 'let's talk and think like mathematicians' questions.
- Discuss why it is useful to be able to partition numbers.
- Students record the amount in their book
- Play game again to consolidate efficient strategies.



Talking and thinking like mathematicians

During the activity, ask students:

How many do you have so far?

Are you sure?

How do you know?"