

Moving with dominoes

Syllabus focus area and contents group

Combining and separating quantities

- Identify part-whole relationships in numbers up to 10

Suggested outcomes

- MAE-WM-01
- MAE-CSQ-01
- MAE-CSQ02

Resources

- 4 dominoes per student
- 1 hoop per pair of students plus one extra hoop
- 10 red bean bags, 10 yellow bean bags and 10 green bean bags (for Fast start)
- 12 bean bags per pair of students (For learning task)
- White board and marker per student

Learning intention

Students are learning that:

- big numbers are made up of smaller numbers
- two parts can combine to make a whole

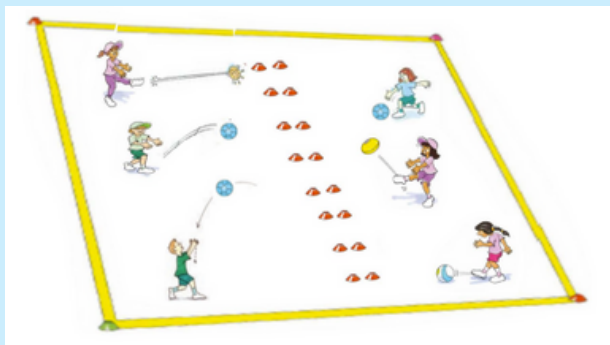
Success criteria

Students can:

- count by ones to identify the total in a collection
- reorganise, model and describe combinations to 10.

Fast start

- Play a whole-class game of 'Empty the nest'.
- Build student understanding of counting one-to-one correspondence by counting the number of each colour of bean bags at each end at the conclusion of the game.



Learning task

Set-up: Arrange hula hoops in a large circle and place a hoop in the centre with dominoes scattered inside it.

- Students take it in turns with their partner to run/jump/bear crawl/crab walk etc from their hoop to the centre hoop to select a domino. Students use same movement to return to partner and hoop.
- Students count the number of dots on their domino.
- Students represent the total on the domino by performing a physically active movement (star jumps, toe taps, vertical jump, hop etc.).
- Students keep domino in their hoop.
- Students repeat above until all dominoes in the middle have been counted by the group.

Consolidation task

Return to classroom:

- Ask students to choose **one** of their dominoes to bring back to the classroom.
- Divide students into groups (3 groups per class).
- Select a leader for each group.
- The group leader calls out a name of their favourite native Australian animal. For example, kangaroo, emu, crocodile.
- Students imitate the selected animal movements while they follow the teacher and then leader to classroom.
- In classroom, provide each student with 6 linking cubes in one colour and 6 in another colour.
- Ask students to make the corresponding part-whole relationship with linking cubes to copy the part-whole combination on their domino.
- Students take their linking cube and domino to desk and draw them into their workbooks.