

Representing
Whole
Numbers

Addition
&
Subtraction

Multiplication
&
Division

Geometric
Measure

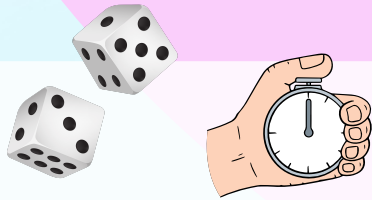
2D

3D

Time

Addition & Subtraction

1



Player 1: Roll 2 Dice
Player 2: Start the timer

2



Player 2: Write down the numbers shown on the dice.

3



Player 1: Create an addition sum or a subtraction sum with both of the numbers.

4

7

Player 1: Find the balls needed to represent the answer.

5



Player 2: Stop the timer & write down the time.

5



Partners Turn

0

1

2

3

4

5

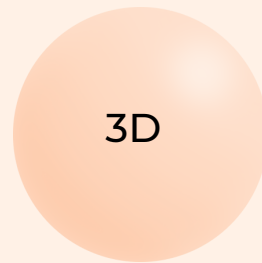
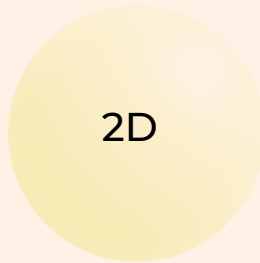
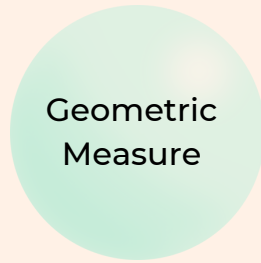
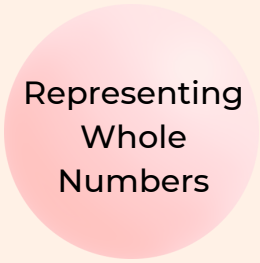
6

7

8

9





Effective Implementation



Outcome



MA1-5NA uses a range of strategies and informal recording methods for addition and subtraction involving one- and two- digit numbers



WALT



Combine and represent quantities using magnetic balls, operational squares and dice.



WILF



- Use magnetic balls and operational squares to create simple addition and subtraction equations.
- Write down the answers on a whiteboard after each equation.



Extend



Challenge students to:

- > Create a fun math equation with 3 different numbers that adds up to a number between 50 and 100. Try using 10 magnetic balls and 5 squares.
- > Play without looking at the cryptic code.



Support



Provide extra guidance for students who are taking longer to grasp the concept.

- Explicit examples and demonstrations of different ways to combine the balls.
- Encouraging students to explain their reasoning for their groupings.



Assessment



Observe students' understanding during the lesson and check their work as they create and write down equations.