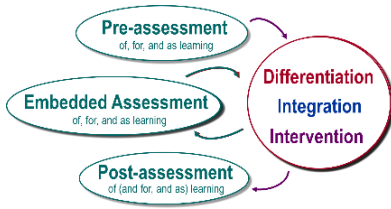


# ASSESSMENT



## Equivalent Sentences Involving Addition and Subtraction, Describing the Equals Sign as Equality

Addition and Subtraction 12 Patterns and Algebra 7

This concept integrates Addition and Subtraction and Patterns and Algebra and is taught and investigated separately to the Addition and Subtraction Levels listed below.

The concept is then applied to Addition and Subtraction through these differentiated Levels.

As this is the first time that children are investigating this concept, there is no pre-assessment.

### AS 12 PA 7 Equivalent Number Sentences - Equals Sign as Equality

$$\begin{aligned} 3 + 3 &= 6 \\ 3 &= 6 - 3 \\ 1 + 3 &= 2 + 2 \\ 2 + 5 &= 10 - 3 \end{aligned}$$

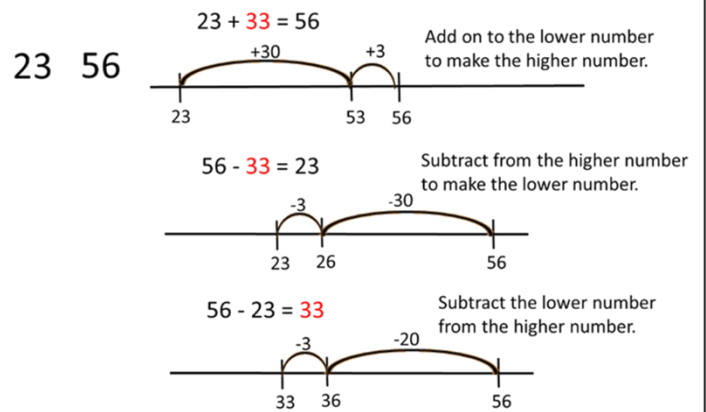
### AS 22 PA 20 Missing and Equivalent Addition and Subtraction Number Sentences

$$\begin{aligned} \_ + \_ &= \_ - \_ \\ 24 + 17 &= 45 - ? \\ \_ + \_ &= \_ - \_ \\ 24 + ? &= 45 - 1 \end{aligned}$$

### AS 33 PA 32 MD 29 Order of Operations, Grouping Symbols

$$8 + 5 \times 2 = 18 \quad (8 + 5) \times 2 = 26$$

### AS 19 PA 14 Missing Number Sentences - Seeing Difference in 3 Ways



### AS 27 PA 25 Equivalent Number Sentences to Find Unknown Quantities

$$\_ + 136 = 267 - 84$$

When a number is added to 136, the answer is the same as 267 minus 84.

When a number is subtracted from 87, the answer is the same as 34 plus 19.

$$87 - \_ = 34 + 19$$

## PRE - ASSESSMENT

As this is the first time that children are investigating this concept, there is no pre-assessment.

## POST - ASSESSMENT

1. Select the Level of equivalent number sentences, that allows you to demonstrate your highest understanding.
2. Select cards to make the number sentence.
3. Record the number sentence.

Addition

$$3 + 3 = 6$$

Subtraction

$$3 = 6 - 3$$

Addition and Addition

$$1 + 3 = 2 + 2$$

Addition and Subtraction

$$2 + 5 = 10 - 3$$