+	−	+	−
−	+	+	+
+	−	+	−
−	+	−	−

Complete Collection

How to use: *Operation Grid Games - Addition and Subtraction*
Operation Grid Games - Addition and Subtraction

Add to Ten

Add to Ten: *Line of Four* Instructions
Add to Ten: *Three lots of Three* Instructions and Scoresheet
Add to Ten: *Game Board*
Add to Ten: *Support Material - Chocolate Bar*

Difference

Difference: *Line of Four* Instructions
Difference: *Three lots of Three* Instructions and Scoresheet
Difference: *Game Board*
Difference: *Support Material - Two Trains*

Plus

Plus: *Line of Four* Instructions
Plus: *Three lots of Three* Instructions and Scoresheet
Plus: *Game Board*
Plus: *Support Material - Two Chocolate Bars*
Plus: *Support Material - Number Line*

Add to Twenty

Add to Twenty: *Line of Four* Instructions
Add to Twenty: *Three lots of Three* Instructions and Scoresheet
Add to Twenty: *Game Board*
Add to Twenty: *Support Material - Two Chocolate Bars*
Add to Twenty: *Support Material - Two Number Lines*

How to use:
Operation Grid Games - Addition and Subtraction

There are two different *Inquisitive Minds Operation Grid Games* collections, designed to assist primary school students in developing their number skills in a fun and engaging way. *Operation Grid Games - Addition and Subtraction* is the second collection in this series.

The activities in this collection will help students to learn the pairs of numbers that add to give ten, finding the difference between two numbers, adding two numbers, and finding the difference between a number and twenty.

To achieve this goal, the program includes instructions and game boards as well as support material.

Instructions & Game Boards

There are four concepts in this program and each concept has its own game board. Two game objectives are provided to reinforce each of the four concepts. The eight resulting games each come with their own instructions.

The four concepts in this program are ordered by level of difficulty. Teachers may provide differentiation as they present the activities, having some students playing games based on easier concepts while other students play games based on the more advanced concepts.

The game objective *Three lots of Three* is slightly more complex than the game objective *Line of Four,* which allows teachers to provide further differentiation in the classroom. Students may all be practising the same concept, but some could be exposed to more complex mathematical thinking as they use a different set of strategies for playing, according to the more difficult objective.

Support Material

The support material provided in this pack ensures that students of all abilities find the games accessible.

When each concept is introduced, it is recommended that teachers show students how to use the related support material. Teachers are encouraged to provide the support material to use alongside games until students feel they can work out answers without this scaffolding.

Teachers may choose to use *Operation Grid Games - Addition and Subtraction* in their classrooms, or they may like to send materials home to provide a varied and creative approach to homework.

The explanations and instructions accompanying the games and support materials are very explicit to ensure that parents using these materials at home are equipped to support and reinforce the learning that has taken place in the classroom.

Operation Grid Games - *Addition and Subtraction*

Target group:

NSW Curriculum: Stage 1

Australian Curriculum: Year 1 - Year 3

This collection is also useful as revision for older year groups.

Concept	*Learning intention*	*Syllabus References*	*Game options*
Finding two numbers that add to give ten.	Students will practise the recall of number combinations that add up to ten.	ACMNA015 MA1-5NA	Add to Ten: *Line of Four* Add to Ten: *Three lots of Three*
Finding the difference between two numbers.	Students will find the difference between two numbers (1 – 10) and will practise recalling these differences.	ACMNA015 ACMNA030 ACMNA055 MA1-5NA	Difference: *Line of Four* Difference: *Three lots of Three*
Adding two numbers.	Students will find the sum of two numbers (1 – 10) using strategies such as counting on from the larger number and bridging to ten. They will practise recalling the answers to these sums.	ACMNA015 ACMNA030 ACMNA055 MA1-5NA	Plus: *Line of Four* Plus: *Three lots of Three*
Finding the difference between a number and twenty.	Students will find the sum of two numbers (1 – 10) using strategies such as counting on from the larger number and bridging to ten. They will practise recalling the answers to these sums. Students will also practise finding the difference between a number and twenty using bridging to ten. They will practise recalling answers to these differences.	ACMNA015 ACMNA030 ACMNA055 MA1-5NA	Add to Twenty: *Line of Four* Add to Twenty: *Three lots of Three*