

Package 11



Overview

Note: Your child will benefit from this package if they are unable to answer any of the pre-lesson questions.

Lesson 1:

Subtraction by counting on (concept)

Required prior knowledge: Concept of grouping (+ & x), and ungrouping (\div)

Lesson 2:

Subtracting double digit numbers using vertical sums (introducing regrouping)

Required prior knowledge: Concept of counting on to subtract

Lesson 3:

Subtraction game (consolidation of ungrouping concept)

Required prior knowledge: Subtraction concepts

Lesson 4:

Subtracting across zero (subtracting to thousands)

Required prior knowledge: Ungrouping process for subtraction

Place Value with Subtraction

Package 11, lesson 1 Subtraction by counting on (concept)

Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
<p>Does your child understand the concept of subtraction?</p> <p>Question: Give your child 15 blocks. Tell them to take five away, then write the sum to show what they did.</p> <p>ANS: Do they write the sum correctly?</p>	Yes/no	
<p>Does your child understand the connection between addition and subtraction?</p> <p>Question: Write $18 - ? = 23$. Can your child find the missing number?</p> <p>ANS: 5 (do they count on from 18 to 23?)</p>	Yes/no	
<p>Does your child understand that numbers can be subtracted by counting on?</p> <p>Question: Ask your child to show how they work out $17 - 12$.</p> <p>ANS: Do they count on '5' from 12 to 17 (rather than counting backwards)?</p>	Yes/no	

What does this lesson teach?

This lesson will teach your child to:

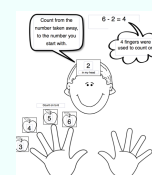
This lesson will enable your child to: Understand the concept of counting on (rather than backwards) when subtracting.

What is included?

A lesson plan explaining Math language & process

Resources illustrating count on and count back concepts

Visual illustrating count on process



Place Value with Subtraction

Package 11, lesson 2

Subtract double digit numbers using vertical sums (no regrouping)

<p>Pre-lesson questions (does your child need this package?)</p>	<p>Correct response?</p>	<p>Post-lesson observations (has your child gained the skills?)</p>
<p>Can your child write a vertical subtraction sum correctly?</p> <p><i>Question: Dictate 'twenty nine take away eight.' Tell your child to write this as a 'sum.'</i></p> <p><i>ANS: Do they place eight in the correct place (under the nine?)</i></p>	<p>Yes/no</p>	
<p>Does your child understand that the bottom number is subtracted from the top number in a sum?</p> <p><i>Question: Ask your child to work out $52 - 19$.</i></p> <p><i>ANS: Do they realise that 9 needs to be taken from 2? (note: if they try to take 2 from 9, the process of subtracting from the top has not been understood)</i></p>	<p>Yes/no</p>	
<p>Does your child recognise that subtraction is the opposite process to addition?</p> <p><i>Question: Can your child show why $12 - 7$ cannot equal 6 using blocks?</i></p> <p><i>ANS: Do they put 6 blocks back with 7, making 13 rather than 12.</i></p>	<p>Yes/no</p>	

What does this lesson teach?

This lesson will teach your child to:

Subtract larger numbers in a sum. Understand the 'ungrouping' process.

What is included?

A lesson plan
explaining
Math language
& process

Illustrated examples

Graduated practice

Place Value with Subtraction

Package 11, lesson 3

Vertical subtraction with and without regrouping

Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
Can your child subtract two digit numbers by writing a sum? Question: Dictate $27 - 16$? ANS: 11 (do they write a sum to work this out?)	Yes/no	
Does your child recognise the need to borrow when subtracting? Question: Can your child work out $61 - 46$? ANS: 15 (do they recognise the need to 'ungroup' a ten in order to subtract?)	Yes/no	

What does this lesson teach?

This lesson will teach your child to:

Consolidate the concept of ungrouping to subtract, using an interactive game.

What is included?

Game instructions and resources



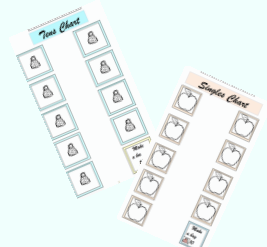
Illustrations



guided questions

who has the most?
how many more?
what is the difference?
how many left?

Charts



Place Value with Subtraction

Package 11, lesson 4 Subtracting across zero

Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
Is your child able to write and solve sums correctly up to thousands? Question: Dictate 2193 - 945 for your child to write. ANS: Are digits placed correctly?	Yes/no	
Is your child able to recognise when to borrow? Question: Ask your child to solve the sum above. ANS: 1248 - does your child borrow' correctly?	Yes/no	
Can your child borrow across one zero? Question: Dictate 601 - 76 ANS: 525 (Does your child borrow and adjust the place values appropriately?)	Yes/no	
Can your child borrow across one more than one zero? Question: Dictate 2005 - 197 ANS: 1808 (Does your child borrow from the thousands, adjusting each place appropriately?)	Yes/no	

What does this lesson teach?

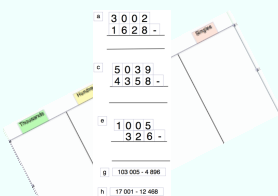
This lesson will teach your child to:

This lesson will enable your child to: Understand the process of borrowing across a zero

What is included?

A lesson plan
explaining
Math language
& **process**

Guided examples
& **Chart**



Illustrations
for sums

