Package 7

Overview

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

Lesson 1:

Developing multiplication facts (x2 & x5)
Required prior knowledge: Skip counting / grouping concept

Lesson 2:

Multiplication of 2 digit numbers with regrouping
Required prior knowledge: Addition with regrouping. Recall of x2 & x5 facts

Lesson 3:

Developing multiplication facts (x3) with problem solving
Required prior knowledge: Concept of multiplication & Skip counting

Lesson 4:

Multiplication of 3 digit numbers by 3 & 4
Relating multiplication to addition
Required prior knowledge: Concept of multiplication & regrouping process

Place Value with Multiplication Path 2 SUCCESS

Package 7, lesson 1
Developing multiplication facts (x2 & x5)

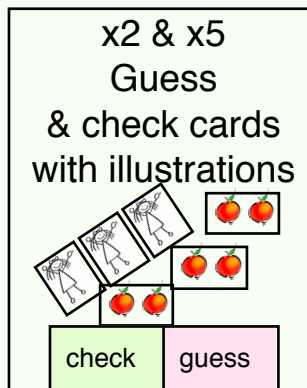| Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
Does your child skip count to work out x2 and x5 facts out of order? Question: Ask your child 8 x 2 and 9 x 5 ANS: Do they achieve 16 & 45 by skip counting?	Yes/no	
Can your child work out x2 facts without needing to skip count (instant recall) Question: Ask your child 6 x 2, 4 x 2, 9 x 2 ANS: Do they automatically recall: 12, 8 & 18?	Yes/no	
Can your child work out x5 facts without needing to skip count (instant recall) Question: Ask your child 8 x 5, 4 x 5, 6 x 5 ANS: Do they automatically recall: 40, 20 & 30?	Yes/no	

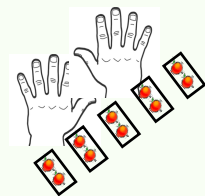## What does this lesson teach?

This lesson will teach your child to:

Develop automatic recall of x2 and x5 facts out of order

What is included?

A detailed plan that clearly explains Math language & process

x2 & x5 Guess & check cards with illustrations

check   guess

Visual aides

Place Value with Multiplication

Package 7, lesson 2
Multiplication of 2 digit numbers with regrouping

Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
Can your child write a vertical multiplication sum independently? Question: Dictate 28 x 2 for your child to write ANS: Does your child place the digits correctly?	Yes/no	
Can your child solve a vertical multiplication sum that requires regrouping? Question: Ask your child to solve the above sum ANS: 56 (does your child regroup and add to the tens?	Yes/no	
Does your child recognise that multiplying by 2 is adding twice (double)? Question: Ask your child to work out 35 + 35 two ways ANS: Do they do an addition & multiplication sum to get 70?	Yes/no	

What does this lesson teach?

This lesson will teach your child to:

Write a sum to multiply 2 digit numbers with regrouping

What is included?

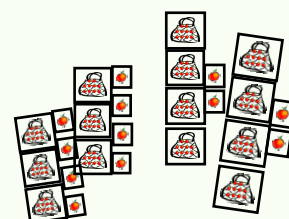| A detailed plan that clearly explains Math language & process	Visual aides show regrouping process 4 8 2	Multiplication is related to addition 4 8 4 8 +	Practice examples

Place Value with Multiplication

Path 2 SUCCESS

Package 7, lesson 3
Developing multiplication facts (x3) with problem solving

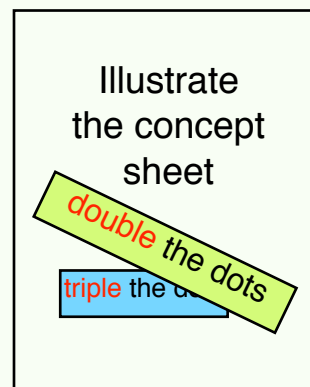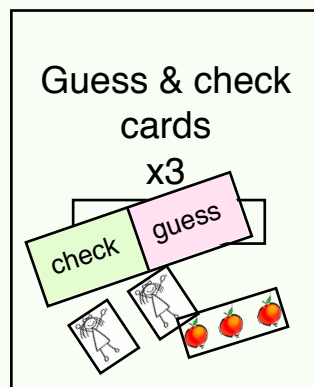| Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
Does your child understand that x3 will triple a number? Question: Ask your child to triple 34 ANS: 102	Yes/no	
Can your child recall x3 facts using skip counting? Question: Ask your child 8 x 3 & 6 x 3 ANS: 24, 18 (can they skip count fluently?)	Yes/no	
Can your child recall x3 facts out of order from memory? Question: 9 x 3, 4 x 3, 7 x 3 ANS: 27, 12, 21 (can they recall automatically?)	Yes/no	
Does your child recognize when to use multiplication in a problem? Question: Ask why multiplication can't be used for working out $33 + $37 ANS: Numbers are different	Yes/no	

What does this lesson teach?

This lesson will teach your child to:
Skip count and develop instant recall of x3 facts out of order, applying facts in problem solving.

What is included?

A detailed plan that clearly explains Math language & process	Guess & check cards x3 check guess	Illustrate the concept sheet double the dots triple the dots	Application (problem solving) Triple …….. I ate double …… I buy a dozen …

Place Value with Multiplication

Package 7, lesson 4
Multiplication of 3 digit numbers by 3 & 4

Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
Can your child recall x3 facts automatically to solve a sum? Question: Ask your child to solve 48 x 3 ANS: 144 (are they automatic in recall?)	Yes/no	
Can your child recall x4 facts automatically to solve a sum? Question: Ask your child to solve 48 x 4 ANS: 192 (are they automatic in x4 recall?)	Yes/no	
Can your child write a multiplication sum as an addition sum? Question: Ask your child to write the addition sum for 68 x 3 ANS: 68 + 68 + 68	Yes/no	

What does this lesson teach?

This lesson will teach your child to:

Skip count and recall x3 & 4 facts out of order, developing the concept of multiplication

What is included?

A detailed plan that clearly explains Math language & process	Guess & check cards x4 check guess	Beat my number game	Different ways of showing Times sum Illustration Adding sum