Package 17

Overview

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

Lesson 1:

Developing the concept of equivalent fractions

Required prior knowledge: Written format of fractions; recall of multiplication facts

Lesson 2:

Simplifying (reducing) fractions

Required prior knowledge: Equivalent fraction concept, recall of division facts (factors)

Lesson 3:

Recognise commonly used equivalent fractions

Required prior knowledge: Finding equivalent fractions using factors and multiples, counting in 25's

Lesson 4:

Relate equivalent fractions to percentages

Required prior knowledge: Concepts related to equivalent fractions (factors and multiples)

Fractions

Package 17, lesson 1

Developing the concept of equivalent fractions

Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
Can your child recognise multiples? Question: Which are the multiples of 3: 4, 9, 8, 21? ANS: 9 & 21 (does your child know what a multiple is?)	Yes/no	
Does your child know how to find an equivalent fraction? Question: How many sixteenths are equal to four eigths? ANS: 4/8 = 8/16	Yes/no	

What does this lesson teach?

This lesson will teach your child to:

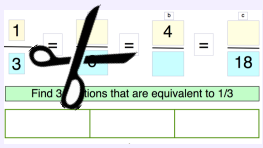
Visualise equivalent fractions (through practical activities)

What is included?

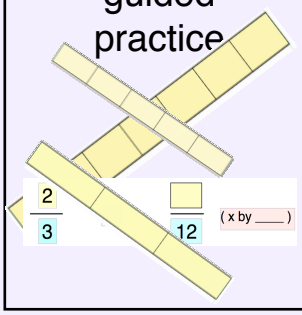
A lesson plan explaining:

Math language & sequence of teaching

Practical activities



guided practice



Fractions

Package 17, lesson 2

Simplifying (reducing) fractions

Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
Does your child know what a factor is? Question: Ask your child to find all the factors of 20 ANS: 1, 2, 4, 5, 10, 20)	Yes/no	
Does your child know what a common factor is? Question: Ask your child to find all the factors of 16, and then state the common factors of 16 and 20 ANS: 2 & 4	Yes/no	
Can your child reduce a fraction to it's simplest form? Question: Ask your child to write 4/20 in it's simplest form ANS: 1/5 (does your child understand the word simplest form? If not, do they understand the process for 'reduce' or 'simplify?'	Yes/no	

What does this lesson teach?

This lesson will teach your child to:

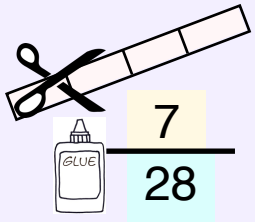
Understand the process of simplifying fractions

What is included?

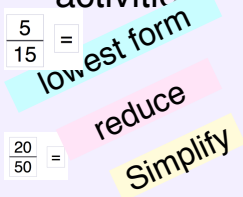
A lesson plan explaining:

Math language & sequence of teaching

Demonstrating the process



Language and Consolidation activities



Fractions

Package 17, lesson 3

Recognise commonly used equivalent fractions

Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
Can your child simplify fractions? Question: Ask "what is the simplified fraction for 5/10?" ANS: 1/2	Yes/no	
Can your child find multiples of fractions? Question: Ask how many tenths are equivalent to two fifths? ANS: 4/10	Yes/no	
Can your child identify commonly used equivalent fractions? Question: Ask your child to match the mixed up fractions (1/4, 1/2, 3/4, 75/100, 25/100/ 50/100) ANS: 1/4 = 25/100, 1/2 = 50/100, 3/4 = 75/100,	Yes/no	

What does this lesson teach?

This lesson will teach your child to:

Recognise that 1/4 = 25/100; 1/2 = 50/100; 3/4 = 75/100

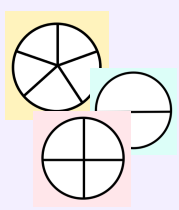
What is included?

A lesson plan explaining:

Math language & sequence of teaching

Equivalent Matching activity

Illustrating equivalence



Fractions

Package 17, lesson 4

Relate equivalent fractions to percentages

Pre-lesson questions (does your child need this package?)	Correct response?	Post-lesson observations (has your child gained the skills?)
Does your child know that % is a fraction out of 100? Question: "how 25% can be written as a fraction?" ANS: 25/100 or 1/4	Yes/no	
Can your child recognise equivalence to change a fraction %? Question: "Can you change 2/5 to a percentage?" ANS: 40% (2/5 = 4/10 = 40/100)	Yes/no	
Does your child recognise commonly used equivalent fractions as percentages? Question: "Can you write 1/4 and 1/2 as a %. and change 75% to a fraction?" ANS: 25%, 50%, 3/4	Yes/no	

What does this lesson teach?

This lesson will teach your child to:

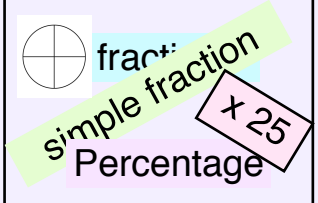
Recognise percentages and their equivalent fractions.

What is included?

A lesson plan explaining:

Math language & sequence of teaching

Illustrating concepts



Applying concepts