

Package 10



Overview

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

Lesson 1:

Introducing the division sum (algorithm)

Required prior knowledge: Can group and skip counting for division

Lesson 2:

Explaining the 'Ungrouping' concept in the division sum

Required prior knowledge: Can write division sentences as sums

Lesson 3:

Dividing three digit numbers

Required prior knowledge: Understands the division sum format. Can ungroup to share.

Lesson 4:

Problem solving - differentiating between division and multiplication

Required prior knowledge: Understands the concepts of multiplication and division

Place Value with Division

Package 10, lesson 1 Introducing the division sum (algorithm)

| Pre-lesson questions (does your child need this package?) | Correct response? | Post-lesson observations (has your child gained the skills?) |
|---|-------------------|---|
| Can your child divide 2 digit numbers by writing a sum? Question: Ask your child to find $84 \div 2$ ANS: Can they write and solve the sum (42) independently? | Yes/no | |
| Can your child divide a 3 digit number by writing a sum? Question: Ask your child to find $396 \div 3$ ANS: Can they write and solve the sum (132) independently? | Yes/no | |

What does this lesson teach?

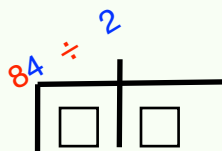
This lesson will teach your child to:

Divide larger numbers by writing a number sentence as a sum

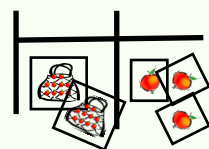
What is included?

A lesson plan
explaining
Math language
& process

Writing number
sentences as
division sums



Illustrating
concepts



Place Value with Division

Package 10, lesson 2 Explaining the 'Ungrouping' concept

| <p style="color: blue;">Pre-lesson questions</p> <p>(does your child need this package?)</p> | <p style="color: red;">Correct response?</p> | <p style="color: red;">Post-lesson observations</p> <p>(has your child gained the skills?)</p> |
|---|--|--|
| <p>Can your child place digits into a sum correctly?</p> <p style="color: blue;">Question: Ask your child write $27 \div 3$ as a sum and write the answer</p> <p style="color: red;">ANS: Do they place digits in the correct place?</p> $\begin{array}{r} 3 \overline{) 27} \end{array}$ | <p>Yes/no</p> | |
| <p>Does your child understand the 'ungrouping' process?</p> <p style="color: blue;">Question: Ask your child explain or show how they would solve $126 \div 2$ in a sum.</p> <p style="color: red;">ANS:</p> $\begin{array}{r} 2 \overline{) 126} \end{array}$ <p style="color: red;">(Do they ungroup the hundred and move ten tens to the next place?)</p> | <p>Yes/no</p> | |

What does this lesson teach?

This lesson will teach your child to:

Further develop place value concepts to understand the 'ungrouping' process

What is included?

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

Resources
to illustrate
'ungrouping'

Colour coded
practice
examples

Place Value with Division

Package 10, lesson 3 Dividing three digit numbers

| 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 that with division there are sometimes remainders?</p> <p>Question: Ask your child to find $20 \div 3$ ANS: Do they recognise that there will be 2 left over?</p> | Yes/no | |
| <p>Can your child divide numbers that require remainders to be regrouped to the next place in a sum?</p> <p>Question: Ask your child to find $312 \div 3$ ANS: Do they ungroup one ten to make 12 singles?</p> | Yes/no | |

What does this lesson teach?

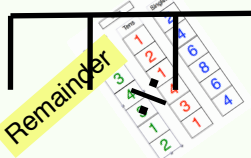
This lesson will teach your child to:

Develop confidence in carrying remainders for division

What is included?

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

Resources
illustrating division
to hundreds



Place value
'visual aides'



Place Value with Division

Package 10, lesson 4 Problem solving - differentiating between division and multiplication

| 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 that multiplication and division are opposite processes?</p> <p>Question: Write $12 \div 6 = 2$. Give your child blocks or pasta to illustrate this 'number sentence.' Ask your child what the related multiplication fact is.</p> <p>ANS: $6 \times 2 = 12$ (Did your child skip count to work out their answer?)</p> | <p>Yes/no</p> | |
| <p>Can your child identify division problems?</p> <p>Question: Ask your child "if I had to put children into groups would I use times or divide?"</p> <p>ANS: Divide</p> | <p>Yes/no</p> | |
| <p>Can your child identify multiplication problems?</p> <p>Question: Ask your child "if I had to add equal groups, would I use time or divide?"</p> <p>ANS: Times</p> | <p>Yes/no</p> | |

What does this lesson teach?

This lesson will teach your child to:
Recognise multiplication and division as opposite processes

What is included?

A lesson plan
explaining
Math language
& process

Multiplication &
division problems
(matching)



Check your
answer
(back track)

