

Maths Learning Design

Topic:	Division (Part 1)	Class:	Year 3	Duration:	8 periods
Subtopic :	Simple division		Year 4		
Content Learning Objectives:	Pupils should be able to: <ul style="list-style-type: none"> • Understand division as equal grouping • Divide a given quantity () into specified equal groups. 				

Teaching & Learning Activities		Resources	Summary
Tuning in (Introduction) <i>Determine prior knowledge and prepare pupils</i>	1. Today you will learn how to group items in equal quantity. 2. Begin lesson with recapping basic division facts shown on EasiLearn slides or PowerPoint slides (can be downloaded from http://www.primaryresources.co.uk/maths/mathsC2.htm) to the pupils. Distribute <i>Activity Sheet 1 (Sharing Zoo)</i> . Example: <i>Can you share the 8 penguins equally between the 2 pools?</i> <i>What is half of 8?</i>	<ul style="list-style-type: none"> • EasiTeach slides or PowerPoint slides presentation • Activity sheet 1 	
Finding out & Sorting out (Lesson Development) <i>Time to locate, gather information, organise and process ideas.</i>	1. Group the pupils (4/5 pupils in one group). 2. Distribute <i>Smarties</i> or counting beads for equal grouping activity. 3. Give the pupils <i>Activity Sheet 2 (Smartie Share)</i> - slides (can be downloaded from http://www.primaryresources.co.uk/maths/mathsC2.htm). 4. Ask the pupils to work out how many Smarties or counting beads each person gets based on the listed questions in <i>Activity Sheet 2</i> using the provided materials. Each group will be assign to present different questions from <i>Activity Sheet 2</i> during sharing session. 5. “ <i>Can you tell me how many Smarties (or counting beads) each person gets when there are ___ Smarties shared among _____ people?</i> ” Ask the presenter to show how this will be divided equally among the number of people.	<ul style="list-style-type: none"> • Smarties or counting beads. • visualizer • projector • Activity Sheet 2 	Expected outcomes: <ul style="list-style-type: none"> • Understand division as equal grouping • Divide a given quantity () into specified equal groups.
Making Conclusions <i>Draw conclusion and consolidate understanding</i>	1. Teacher asks and discusses relationships of their findings of sharing equally <i>Smarties</i> between a numbers of people. 2. After the discussion, the pupils know division as equal grouping i.e. each group has equal number of quantity.	<ul style="list-style-type: none"> • 	Division as an idea of equal sharing
Go further (Enrichment) <i>Apply knowledge to develop further understanding</i>	1. Provide pupils with <i>Activity Sheet 3</i> which consist of simple word problems involving simple division.	<ul style="list-style-type: none"> • Activity Sheet 3 	Able to solve simple word problem involving division

Evaluation (with respect to the Content Learning Objectives)

What worked well?	What would make it even better next time?

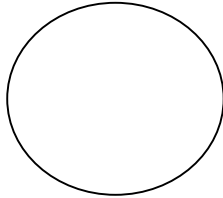


Mathematics Lesson Planning for Effective Learning Project
Simple Division Activity Sheet 1
Sharing Zoo

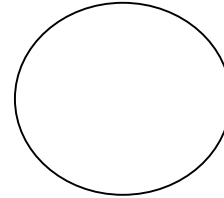
Name: _____ Class: _____ Date: _____

Main Task: Group the animals equally.

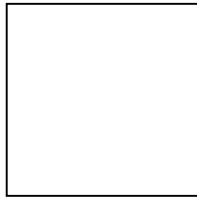
1. Can you share 2 penguins between 2 pools equally



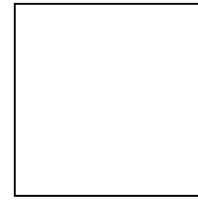
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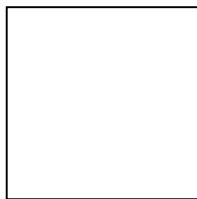
2. Can you share 4 giraffes between 2 fields equally?



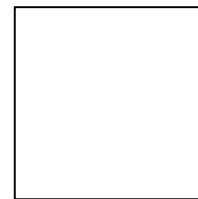
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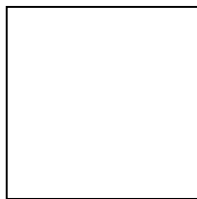
3. Can you share 6 giraffes between 2 fields equally?



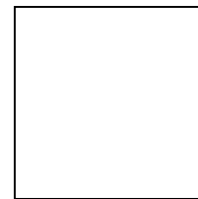
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4. Can you share 8 parrots between 2 cages equally?



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Mathematics Lesson Planning for Effective Learning Project
Simple Division Activity Sheet 2
Sharing Smarties/Counters

Name: _____ Class: _____ Date: _____

Main Task: Can you work out how many Smarties each person gets?



DON'T EAT YOUR SMARTIES UNTIL YOU ARE TOLD TO!

Questions	Answers
1. Share 20 Smarties between 5 people.	_____
2. Share 14 Smarties between 7 people.	_____
3. Share 16 Smarties between 8 people.	_____
4. Share 15 Smarties between 5 people.	_____
5. Share 18 Smarties between 6 people.	_____
6. Share 15 Smarties between 3 people.	_____
7. Share 12 Smarties between 3 people.	_____
8. Share 16 Smarties between 4 people.	_____
9. Share 18 Smarties between 9 people.	_____
10. Share 20 Smarties between 10 people.	_____



Mathematics Lesson Planning for Effective Learning Project
Division Part 1 - Activity Sheet 3
Simple Word Problems on Simple Division

Name: _____ **Class:** _____ **Date:** _____

Main Task: Solve the following.

1. If 2 people get to share 6 candies equally, how many candies will each person get?

<Ans.> _____

2. If 2 people have to share 8 sheets of paper equally, how many sheets will each person get?

<Ans.> _____

3. If people have to share 6 pencils equally, how many pencils will each person get?

<Ans.> _____

4. If you divide 25 centimetres of ribbon into 5 equal parts, how long would each of those parts be?

<Ans.> _____

5. We have 15 pencils for my group today. If the 3 of us share them equally, how many pencils will I get?

<Ans.> _____