Addition, Subtraction, Multiplication and Division: Short Division Reasoning

Aim:	Success Criteria:	Resources:
Divide numbers up to four digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context. I can solve reasoning questions using the formal method of short division.	I can break down complex problems into smaller steps. I can use mathematical language to explain solutions to problems. I can use the written method for short division accurately.	Lesson Pack
	Key/New Words: Problem solving, solutions, predict, identify, RUCSAC, reasoning.	**Preparation:** Short Division Talk Partner Activity Sheet – 1 per pair Short Division Independent Activity Sheet – 1 per child

Prior Learning: It will be helpful if children are familiar with the formal written method of short division prior to the lesson.

Learning Sequence

	Short Division Reasoning 1a: Use the step-by-step slides from the **Lesson Presentation** to model how to solve division problems.	
	Short Division Reasoning 1b: Recording their answers on the **Short Division Talk Partner Activity Sheet**, the children work with a partner to apply the strategy to a similar question, explaining their reasoning. Display the answers on the **Lesson Presentation** and discuss.	
	Short Division Reasoning 2a: Use the step-by-step slides from the **Lesson Presentation** to model how to solve division problems involving remainders.	
	Short Division Reasoning 2b: Recording their answers on the **Short Division Talk Partner Activity Sheet**, the children work with a partner to apply the strategy to a similar question, explaining their reasoning. Display the answers on the **Lesson Presentation** and discuss.	
	Short Division Reasoning 3a: Use the step-by-step slides from the **Lesson Presentation** to model how to solve division problems and round remainders according to context.	
	Short Division Reasoning 3b: Recording their answers on the **Short Division Talk Partner Activity Sheet**, the children work with a partner to apply the strategy to a similar question, explaining their reasoning. Display the answers on the **Lesson Presentation** and discuss.	
	Reasoning Practice: Children complete the **Short Division Reasoning Independent Activity Sheet** to show that they can solve division reasoning questions involving short division with remainders. The questions are differentiated three ways and children are encouraged to choose the level of challenge they think is suitable for them.	
	Reasoning Answers: Using the slides from the **Lesson Presentation**, discuss the answers to the independent activity questions. Children self-assess how confident feel about solving reasoning questions involving division with remainders using a formal written method.	

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com