Guidelines for the use of 'Multiplication and division rugby world problems'

Activity title:	Multiplication and division rugby world problems
Curriculum area:	Maths
NC objectives:	Ma2 1b), 1c), 1d), 1e), 1f), 1i) 3a), 3b), 3f), 3h), 3i), 3j), 4a) & 4b)
Main learning objective	Solve one-step and two-step problems involving numbers; choose and carry out appropriate calculations, using calculator methods where appropriate

Timing	Lesson plan ideas, activities and resource sheets
INTRODUCTION 10 minutes	• Explain that the lesson will be focusing on multiplication and division. • Begin by giving the pupils mental maths questions for any selected times-table and then ask questions for the corresponding division facts. Also use the '2.10a Mental maths questions (multiplication & division)' if required, together with the corresponding answers '2.10b Answers to mental maths questions (multiplication & division)'. • Provide the class with a multiplication question and discuss division as being the inverse. Discuss how the question could be checked without simply repeating the working of the question. Lead the class to use the inverse to check the answer, eg, 6 x 4 = 24 can be checked by completing 24 ÷ 4 = 6.

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MAIN ACTIVITY 40 minutes	• Issue the '2.10c Multiplication and division rugby word problems' worksheet and ask pupils to complete this individually. They can show their working to each question. • Encourage the class to check their work through, possibly using the inverse operation as shown during the introductory part of the lesson.
PLENARY 10 minutes	• Go through the answers to the questions and ask individuals to explain how they worked out the answer to each question. If there is time, they can show their workings on the board. • Use the '2.10d Answers to the multiplication and division rugby word problems' answer sheet if required.

Suggested extension activities or cross curricular links:

• Pupils can create their own 'multiplication and division' word problems in the same way
• Complete some of the other word problem worksheets focusing on separate mathematical areas