



Guidelines for the use of 'Creating graphs from GRFC rugby statistics'

Activity title:	Creating graphs from GRFC rugby statistics data
Curriculum area:	Maths
NC objectives:	Ma2 1a), 1c), 1e), 2a) and Ma4 1c), 1f), 2b), 2c), 2e)
Main learning objective	Using data to produce a bar graph and forming questions from the data

Timing	Lesson plan ideas, activities and resource sheets
INTRODUCTION 10 minutes	<ul style="list-style-type: none"> Tell pupils that they are going to be studying some rugby statistics and creating a visual representation of them in a graph. Look at some rugby data and ask a few mental questions for addition, subtraction, multiplication or division, eg, how many more tries did 'Player x' score than 'player z'? Discuss methods of working.

Continued



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<p>MAIN ACTIVITY</p> <p>40 minutes</p>	<ul style="list-style-type: none"> Issue the '2.6a Creating a bar graph from GRFC rugby statistics' worksheet and ask pupils to complete this individually. Focus on the data and discuss what it represents eg, tries scored, points scored, etc. Begin by selecting the data to be looked at and then help the class determine the step size of the graph depending on the maximum number and the number of steps on the 'y' axis. Try to lead the class to the fact that they must use division to work out the step size, eg, maximum number is 200 with 10 steps, so the intervals should be 20. The class can count up in different numbers until they reach the correct interval.
<p>PLENARY</p> <p>10 minutes</p>	<ul style="list-style-type: none"> Go through the graphs to ensure they are completed accurately and then ask some questions about the data. Discuss the quickest way to come to the answers - using the graph or the table of results? The class can form their own questions about the data and swap with a partner to answer them

Suggested extension activities or cross curricular links:

- Complete the bar graph activity using other rugby data
- Complete own circuit training activities and make bar graphs to compare individuals or groups of pupils