

Year 8 Aspiring Foundation (Set (7-5) 7(5))

Approximate date for assessments: second week of October

Theme	Detail	Revised?
Ratio	Divide a quantity into two parts in a given ratio, where ratio given in ratio notation Express the division of a quantity into a number of parts as a ratio Divide a quantity into more than two parts in a given ratio Use a ratio to find one quantity when the other is known Use proportional reasoning to solve a problem Solve a ratio problem in context Reduce a ratio to its simplest form Use ratio notation Reduce ratios in the simplest form, including three-part ratios Simplify a ratio expressed in different units Compare ratios by changing them to the form 1 : m or m : 1 Write ratios in the form 1: m or m: 1 Divide a given quantity into two parts in a given part:part or part: whole ratio Write as ratio as a fraction Simplify a ratio expressed in fractions or decimals	



Fraction Arithmetic	Simplify fractions by cancelling all common factors Begin to add and subtract simple fractions and those with simple common denominators Add and subtract simple fractions with denominators of any size Add and subtract up to 3 fractions mixing both addition and subtraction into the calculation, with denominators less than or equal to 12 and using the LCM denominator in the calculation - the answer can be a mixed number Add mixed number fractions without common denominators, where the fraction parts add up to more than 1 Add and subtract fractions (proper and improper) -positive and negative Add and subtract fractions (mixed) -positive and negative Multiply a fraction by an integer Multiply an integer by a fraction Divide an integer by a fraction Multiply and divide simple fractions (proper and improper) - positive and negative	
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Statistics	Find range from a set of ordered data Find the range of a small set of data. Calculate the mean, median, mode and range for discrete data Calculate the median of a set of data Produce pictograms Represent data in a table Construct on paper, and using ICT simple bar graphs to represent discrete data Construct on paper, and using ICT, bar – line graphs to represent data Draw conclusions based on the shape of line graphs Extract data and interpret line graphs Extract data and interpret discrete bar charts Find mode from a discrete data bar chart Find mode group from a discrete data grouped bar chart Find the mode from any bar chart Answer simple questions about 'most likely' from a simple bar chart	
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