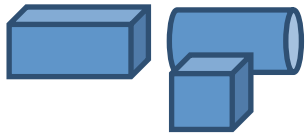
Highgate Primary
Year 2 Maths Curriculum

WALT: We Are Learning To
WAP: We Are Practising

Number
Measurement
Geometry
Statistics

Spring 2: The Circus

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
1	**Geometry** **Properties of shape (2)**					
	• identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces • identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] • compare and sort common 3-D shapes and everyday objects WALT identify and count the faces on 3-D shapes WALT count vertices and edges on 3-D shapes WALT sort 3-D shapes according to their properties WALT make repeating patterns with 3-D shapes	• Count faces on 3-D shapes • Count vertices on 3-D shapes • Count edges on 3-D shapes • Sort 3-D shapes • Make patterns with 3-D shapes	Venn diagrams	**What's the same, what's different?** Pick up and look at these 3-D shapes.  Do they all have straight edges and flat faces? What is the same and what is different about these shapes? **NRICH Skeleton Shapes** **NRICH Shadow Play** **NRICH Triangle or No Triangle?** Adapt for 3-D shapes (e.g. which statements could you change and this would still be a [cube]?) **NRICH Cubes Cut into Four Pieces**	Counting in different multiples Number facts: adding and subtracting multiples of 10
2	**Number** **Fractions**					

	• recognise, find, name and write fractions ¼ and ½ of a length, shape, set of objects or quantity • write simple fractions for example, ½ of 6 = 3 WALT split a whole into equal parts WALT recognise one half of a shape or group of objects WALT find half of a group or a number WALT recognise one quarter of a shape or group of objects WALT find a quarter of a group or a number	• Make equal parts • Recognise a half • Find a half • Recognise a quarter • Find a quarter	Blank grid, 10-frame, cubes, counters, counting objects, bar model	**What do you notice?** ¼ of 4 = 1 ¼ of 8 = 2 ¼ of 12 = 3 Continue the pattern What do you notice? **Odd one out** ½ of 8, ¼ of 12, ¼ of 16 **Always, sometimes, never** A half is larger than a quarter	Place value – tens, ones (and some hundreds) Number facts: two times table, division facts and doubles and halves
3	• recognise, find, name and write fraction 1/3 of a length, shape, set of objects or quantity • write simple fractions for example, ½ of 6 = 3 WALT recognise one third of a shape or group of objects WALT find a third of a group or a number WALT identify unit fractions WALT use the numerator to write non-unit fractions WAL about the relationship between unit and non-unit fractions	• Recognise a third • Find a third • Unit fractions • Non-unit fractions	Cubes, counting objects, bar model, blank grid	**True or false?** Half of 20cm = 5cm Half of 5cm = 10cm **Ordering** Put these fractions in the correct order, starting with the smallest. ½ ¼ 1/3 How do you know? **Do, then explain** On this shape, colour in a unit fraction, then colour in a non-unit fraction. Explain the difference between a unit and non-unit fraction.	Revision of shape names and properties Number facts: five times table and division facts
4	• recognise, find, name and write fraction ¾ of a length, shape, set of objects or quantity • recognise the equivalence of 2/4 and ½ WALT understand equivalence WAL the equivalence of one half and two quarters WALT identify three quarters of a shape WALT find three quarters of a group or a number WALT use fractions as counting numbers	• Equivalence of ½ and 2/4 • Find three quarters • Count in fractions	Counters, Cuisenaire rods, Numicon, cubes, bar model, printed numberline, counting stick	**Odd one out.** Which is the odd one out in this trio: ½ 2/4 ¼ Why? **What do you notice?** Find ½ of 8. Find 2/4 of 8 **True or false?** ¾ of 15 cm = 12 cm ¾ of 12cm = 9cm **Spot the mistake** 7, 7 ½ , 8, 9, 10 8 ½, 8, 7, 6 ½, … and correct it **What comes next?** 5 ½, 6 ½ , 7 ½ , …., …. 9 ½, 9, 8 ½, ……, …..	Mental adding and subtracting Number facts: ten times table, division facts and calculating with multiples of 10
5	**Measurement**				

	Time				
	• tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times • know the number of minutes in an hour WAP telling the time to the hour and the half-hour WAP showing o'clock and half past times WALT reading clocks that show quarter past and quarter to WALT read clocks that show the time in minutes past the hour WALT read clocks that show the time in minutes to the hour	• Telling time to the hour *(WRM revision)* • Telling time to the half-hour *(WRM revision)* • O'clock and half past *(WRM Summer term)* • Quarter past and quarter to *(Summer term)* • Telling time to 5 minutes *(Summer term)*		**Always, sometimes, never** When the hand is pointing at the 6, it's half past **Do, then explain** Show 20 to 3 on a clock face. How did you know where the hands should be pointing? **What comes next?** 10 past 6, 20 past 6, half past 6… 25 to 8, quarter to 8, 5 to 8 **NRICH What is the Time?**	Times table revision Number facts: multiplication and division round-up
6	• compare and sequence intervals of time • know the number of hours in a day WAP choosing and measuring with units of time WAL about a.m. and p.m. times WALT use times to calculate duration WALT compare durations	• Writing time *(WRM revision)* • Hours and days *(WRM Summer term)* • Find durations of time *(Summer term)* • Compare durations of time *(Summer term)*	Bar model	**Working backwards** Break lasts 15 minutes and finishes at […] Draw hands on the clock face to show when it started. **The answer is ….** 3 hours. What is the question? **What do you notice?** 1 hour = 60 minutes ½ hour = 30 minutes ¼ hour = 15 minutes Write down some more time facts like these **NRICH Matching Time** **NRICH Stop the Clock** (online)	Calculating fractions Number facts: bonds to 10 and 20 and matching subtraction facts