Year 6 Objectives

Number and Place Value
Read and write numbers up to 10,000,000 in words and numerals and say the value of each digit
Compare and order numbers up to 10,000,000
Round any number to the required degree of accuracy (decimal place, whole number, unit, ten, etc.)

Number – mental addition, subtraction, multiplication and division
Know and recall rapidly all times tables (multiplication and division facts- consolidation from years 4 and 5)
Know and recall rapidly prime numbers up to 19
Understand, recognise and use square and cubed numbers including the notation ((e.g. 52, 23 consolidation from Y5)

Number – fractions, decimals and percentages
Say the value of each digit in numbers given to three decimal places
Read, write, compare and order numbers with up to three decimal places
Multiply and divide numbers by 10,100,100 giving answers up to three decimal places (e.g. 1205 ÷ 1000 = 1.205)
Know decimal, percentage and fractions equivalents (e.g. 3/5 = 0.6 = 60%)

Measurement
Know the formula to convert between miles and kilometres (1 mile=1.6km / 1km = 0.625 miles)

Geometry – shape
Name the parts of a circle (circumference, diameter, radius) and know that the diameter is twice the radius

Useful maths websites
Top Marks Age 7-11 https://www.topmarks.co.uk/maths-games/7-11-years/ordering-and-sequencing-numbers
Cool Maths 4 Kids –http://www.coolmath4kids.com/
Maths is fun -https://www.mathsisfun.com/numbers/index.html
SUMS Maths Games sorted into: Number, Data Handling, Calculations, Shape and Space.
http://www.sums.co.uk/original/
Arcademics Skill Builders – games to play against the computer or a friend
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