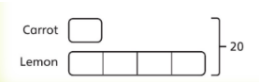
Cedar Park School & Nursery
Be kind ★ Be inspired ★ Believe

Spring Term Maths Learning Overview

Year 6

Unit 7 – Ratio and Proportion

- Calculate ratios
- Use ratios to work out amounts
- Enlarge shapes by a scale factor
- Identify similar shapes
- Solve ratio problems



Unit 8 – Algebra

- Find and write algebraic rules
- Write algebraic expressions and formulae
- Write and solve equations

Perimeter of rectangle	If a =	Then b =
20	$a = 1$	$20 \div 2 - 1 = 9$
20	$a = 2$	$20 \div 2 - 2 = 8$
20	$a = 3$	$20 \div 2 - 3 = 7$

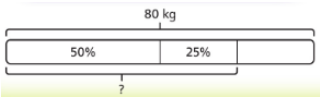
Unit 9 – Decimals

- Recognise the vale of each decimal place
- Multiply and divide decimals by 10, 100 and 1000
- Convert fractions and decimals
- Multiply and divide decimals by 1- digit numbers

O	Tth	Hth	Thth
4	9	0	8

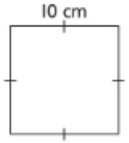
Unit 10 – Percentages

- Understand that percentages are parts of 100
- Find equivalent fractions, decimals and percentages
- Find 1% and multiples of 1%
- Work out missing values, such as 30% of ? = 60
- Convert, order and solve problems



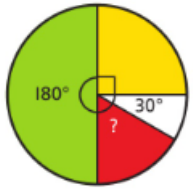
Unit 11 – Perimeter, Area and Volume

- Find and draw shapes with the same area and perimeter
- Explore how the perimeter changes when the area changes
- Calculate the area of parallelograms and triangles
- Calculate and estimate the volume of cubes and cuboids



Unit 12 – Statistics

- Interpret and create line graphs and bar charts
- Read and interpret pie charts using fractions and percentages
- Calculate the mean of a set of data
- Use the mean to find missing data



Key Vocabulary

Ratio, proportion, part, whole, scale, scale factor, similar, notation, sequence, rule, term, algebra, expression, calculation, formula, substitute, generalise, operation, calculate, equation, solution, multiply, divide, decimal, recurring, placeholder, tenths, hundredths, thousandths, products, fraction, percentage, convert, share, multiples, simplify, formula, perimeter, perpendicular, mean, interpret, pie chart, average, segments