Wk	Progression Focus	Weekly Summary	Strands	Objectives
21	**Addition and subtraction** Week 21 focuses on adding and subtracting numbers in the context of money and contextual problems.	Add mentally 2-place decimal numbers in the context of money using rounding; add several small amounts of money using mental methods; mentally subtract amounts of money including giving change; calculate the difference between two amounts using counting up; solve word problems, including 2-step problems, choosing an appropriate method	**MAS** Mental addition and subtraction; **DPE** Decimals, percentages and their equivalence to fractions; **PRA** Problem solving, reasoning and algebra	• **MAS.68** Use place value to add near integers including amounts of money • **MAS.65** Use mental strategies to add amounts of money with 2 decimal places • **MAS.66** Use number facts to add several amounts of money • **MAS.67** Use counting up strategies to quickly calculate change • **MAS.69** Use place value to subtract near integers including amounts of money • **DPE.64** Round 1- and 2-place decimals up and down to the nearest whole number • **PRA.59** Solve addition and subtraction two-step problems in contexts • **PRA.66** Solve addition and subtraction multi-step problems, deciding which operations and methods to use and why
22	**Fractions; multiplication** Week 22 focuses on multiplying and converting fractions; and on short and long multiplication of whole numbers.	Multiply fractions less than 1 by whole numbers, convert improper fractions to whole numbers; use short multiplication to multiply 3-digit and 4-digit numbers by 1-digit numbers; use long multiplication to multiply 2-digit and 3-digit numbers by teens numbers	**FRP** Fractions, ratio and proportion; **PRA** Problem solving, reasoning and algebra; **WMD** Written multiplication and division	• **FRP.64** Convert mixed numbers to improper fractions and vice versa • **FRP.65** Multiply fractions by whole numbers • **FRP.66** Use the grid method to multiply mixed

				numbers by integers • **PRA.70** Identify patterns, devise and test rules and use them to make predictions • **WMD.63** Use short multiplication to multiply 3-digit numbers by 1-digit numbers • **WMD.64** Use short multiplication to multiply 4-digit numbers by 1-digit numbers • **WMD.70** Use long multiplication to multiply 2-digit and 3-digit numbers by 2-digit numbers (friendly numbers) • **WMD.65** Begin to use long multiplication to multiply 2-digit and 3-digit numbers by teens numbers
23	**Place value and decimals** Week 23 focuses on place value in decimals, including multiplying and dividing by 10 and 100.	Read, write and compare decimals to three decimal places, understanding that the third decimal place represents thousandths; multiply and divide numbers by 10, 100 and 1000 using 3-place decimal numbers in the calculations; place 2-place decimals on a number line and round them to the nearest tenth and whole number; read, write, order and compare 3-place decimal numbers; understand and use negative numbers in the context of temperature	**DPE** Decimals, percentages and their equivalence to fractions; **PRA** Problem solving, reasoning and algebra; **NPV** Number and place value	• **DPE.68** Match 1-, 2- and 3-place decimals to 1/10s, 1/100s and 1/1000s, using a place value grid • **DPE.70** Read, write and order 3-place decimals using a number line • **DPE.72** Order and compare 3-place decimal numbers and write a number in between • **DPE.69** Divide numbers by 10, 100 and 1000 to get answers with 3 decimal places, using a place value grid • **DPE.76** Multiply and divide by 10, 100 and

				1000 giving answers up to 3 decimal places • **DPE.64** Round 1- and 2-place decimals up and down to the nearest whole number • **DPE.66** Round 2-place decimals up or down to the nearest tenth • **PRA.74** Solve problems involving numbers with up to 3 decimal places • **PRA.68** Solve problems involving addition, subtraction, multiplication and division and a combination of these • **NPV.55** Locate negative numbers on a number line and relate to temperature • **NPV.56** Find numbers more or less than a given negative number and relate to temperature
24	**Coordinate geometry; 2D and 3D shapes** Week 24 focuses on plotting, reflecting and translating shapes on coordinate grids; and on extending understanding of properties of 2D and 3D shapes.	Read and mark co-ordinates in the first two quadrants; draw simple polygons using co-ordinates; translate simple polygons by adding to and subtracting from the co-ordinates; reflect simple shapes in the y axis or in a line, noting the effect on the co-ordinates; translate simple shapes and note what happens to the co-ordinates; draw regular and irregular 2D shapes using given dimensions and angles; use the properties of 2D shapes, including rectangles, to derive related facts; identify 3D shapes from 2D representations; create 3D shapes using 2D nets and draw 3D shapes	**GPD** Geometry: position and direction; **PRA** Problem solving, reasoning and algebra; **GPS** Geometry: properties of shapes	• **GPD.55** Describe positions on a 2-dimensional grid as co-ordinates (1st quadrant) • **GPD.57** Plot points and draw sides to complete a polygon on a co-ordinate grid (1st quadrant) • **GPD.66** Identify and describe the position of a shape on a co-ordinate grid following a translation • **GPD.67** Identify and describe the position of a shape on a co-ordinate grid following a reflection • **GPD.71** Describe

				positions on a full co-ordinate grid • **GPD.72** Draw and translate simple shapes; reflect shapes in the axes • **PRA.65** Use mathematical reasoning to explain findings, patterns and relationships • **GPS.67** Draw and construct 2D shapes with given dimensions and angles • **GPS.71** Know and use the properties of a square and rectangle and deduce related facts • **GPS.38** Make cuboids, cubes, tetrahedra and pyramids from nets • **GPS.63** Identify cubes and cuboids from 2D representations • **GPS.69** Identify 3D shapes from 2D representations
25	**Addition and subtraction** Week 25 focuses on written methods of addition and subtraction, and choosing efficient strategies to solve problems.	Add 5-digit numbers using written column addition; subtract 5-digit numbers using written method (decomposition); check answers to subtractions using written column addition; solve subtractions of 4- and 5-digit numbers using written column subtraction or number line counting up	**WAS** Written addition and subtraction; **PRA** Problem solving, reasoning and algebra	• **WAS.65** Use compact column addition to add two or three 5-digit numbers • **WAS.68** Use column addition to add several numbers with up to 5-digits • **WAS.67** Use column subtraction to subtract 5-digit from 5-digit numbers, where there are not more than two 0s in the larger number • **WAS.70** Choose an appropriate written

method to solve subtraction problems

- **PRA.65** Use mathematical reasoning to explain findings, patterns and relationships
- **PRA.68** Solve problems involving addition, subtraction, multiplication and division and a combination of these