

Grades	1	2	3	4	5	6
Place Value	tens & ones to 100's	hundreds & thousands	Read, write & show to ten thousands	Read, write & show to millions	Estimate with whole numbers	Estimate with decimals
Operations	+, -, Count on & partition	+, -, ×, ÷ Compare processes	+, -, ×, ÷ Recall 2,3,5 & 10 facts	+, -, ×, ÷ ×, ÷ sums with regrouping Recall all no. facts	+, -, ×, ÷ ×, two digit no's ÷ with remainders	+, -, ×, ÷ ×, ÷ decimals with multiples of 10
+ Packages	1, 2, 3, 4, 5 (Concepts are addition gradually built on, place value relates to addition with regrouping)					
× Packages	6, 7, 8 (Concepts of multiplication as adding equal groups. Language & 'regrouping' concepts explored)					
÷ Packages	9, 10 (Division is compared with multiplication (opposite processes). 'Ungroup' to share introduced)					
- Packages	11 (Subtraction compared with addition. Count on skills used. 'Ungrouping' to take introduced)					
Problems	12 (Compare processes, gradually progress to all operations. Choice of levels (1 or 2 step, insert no's)					
Time	Recognize: ½ hour compare hr & min.	Recognize: ¼ hour	5 Minute intervals. Convert Analogue & digital time	Analogue & digital time. Duration	12 & 24 hr time. Duration	Use timetables
Time Packages	13, 14, 15 (Analogue clocks are gradually built as each concept is introduced. Digital time follows when concepts of analogue time are understood. 24hr time follows when analogue & digital are understood)					
Fractions	Recognize: ½	Recognize: ½, ¼, ⅓	Recognize: ½, ¼, ⅓, ⅕ Explore multiples to make a whole	Fractions on no. line; mixed no's, equivalence, fractions of numbers	+, - fractions with related & unrelated denominators	Calculate % discounts. Connect fractions, decimals & percentages
Fraction Packages	16, 17, 18, 19 (Explore fractions in different contexts. Colour coding and visual imagery illustrate concepts. Lessons build upon previous lessons sequentially)					
Decimals				Compare tenths & hundredths (fractions & decimals)	Decimals beyond hundredths (Patterns/ comparison)	Perform operations with decimals
Decimal Packages	20 (Fraction concepts extended to introduce decimals. Visual imagery for place value developed)					
Money	Order coins according to value	Order coins & notes according to value	Represent money in multiple ways. Calculate	Solve problems involving money	Create simple financial plans	Calculate % discounts
Packages	21, 22 (Count cents - related to multiplication. Understand dollars/cents related to fractions/ decimals)					
Measuring	Length - informal units	Length/ Capacity - (informal units) Mass (formal) Area (informal)	Length, Mass & Capacity (formal) Area (informal)	Metric units length, mass, capacity Volume informal units	Area and perimeter using metric. Metric all measurements	Convert between units Find area & volume
Packages	23, 24 (Measurement is used to build upon decimal concepts. Each lesson builds upon the previous one)					

Place Value with Addition

Packages 1 - 5



Package 1	Lesson 1 Numbers to 20 (Introduce the concept of 'digits')	Lesson 2 Numbers to 90 (Compare the value of digits within no.s)	Lesson 3 Counting On (Develop efficient addition strategies)	Lesson 4 Problem Solving (Recognise addition language - sums to 90)
Package 2	Lesson 1 Vertical Addition (Change from horizontal to vertical format)	Lesson 2 Making Ten (Develop efficient addition strategies)	Lesson 3 Exchange for tens (Understand regrouping concepts through a game)	Lesson 4 Vertical Addition (Introduce regrouping in a vertical format)
Package 3	Lesson 1 Doubles (Recognise doubles during addition process)	Lesson 2 Count on in Tens (Develop efficient adding strategies)	Lesson 3 Addition Game (Consolidate addition with regrouping)	Lesson 4 Problem Solving (Combine addition concepts with language)
Package 4	Lesson 1 Vertical Addition (Extend the regrouping concept to hundreds)	Lesson 2 Thousands (Visualise values using an 'exchange' game)	Lesson 3 Problem Solving (Recognise language - adding to 1000)	Lesson 4 Ten Thousands (Visualise values using an 'exchange' game)
Package 5	Lesson 1 100 Thousands (Read, write and visualise numbers to 1000)	Lesson 2 Vertical Addition (Write and solve sums to 100, 000)	Lesson 3 Estimation (Visualise and understand estimation)	Lesson 4 Estimation (Apply estimation skills when adding)

Place Value

with Multiplication & Division

Packages 6 - 10



Package 6	Lesson 1 Grouping Concept (Add equal groups by skip counting)	Lesson 2 Writing Number Sentences (Understand horizontal sums)	Lesson 3 Turn Arouds (Recognise turnarounds in horizontal and vertical format)	Lesson 4 Multiplying 2 digit no's (Vertical format, no regrouping)
Package 7	Lesson 1 Skip Counting to Add Equal Groups (Develop x2 & x5 fact recall)	Lesson 2 Multiplying 2 digit no's (Vertical with regrouping)	Lesson 3 Multiplying by 3 (Improve x3 fact recall & apply in problem solving)	Lesson 4 Multiply by 3 & 4 (Improve fact recall - multiply to thousands with regrouping)
Package 8	Lesson 1 Multiply by 6 & 7 (Improve fact recall, problem solving, common multiples)	Lesson 2 Multiply by 8 & 9 (Improve fact recall and apply in problem solving)	Lesson 3 Long Multiplication (Introduce process, no Regrouping)	Lesson 4 Long Multiplication (Practice Process with Regrouping)
Package 9	Lesson 1 Division Concept (Practical application - making equal groups)	Lesson 2 Skip counting to find division facts (Concept)	Lesson 3 Division Sums (Introduce the concept of remainders)	Lesson 4 Problem solving (Explore the language of division)
Package 10	Lesson 1 Division Sum (Write no. sentences as sums, no regrouping)	Lesson 2 Division Sum (Illustrate 'ungrouping' in a division sum)	Lesson 3 Divide 3 digit numbers (Carry/ungroup remainders to the next place value)	Lesson 4 Problem solving (Multiplication and division application & comparison)

Place Value with Subtraction

Package 11



Package 11	Lesson 1 Subtraction Concept (Introducing 'count on' concept when subtracting)	Lesson 2 Subtraction Sums (Learning to borrow/ungroup in a vertical format)	Lesson 3 Subtraction Sums (Consolidating borrowing ungrouping concepts- through a game)	Lesson 4 Subtraction sums (Borrowing across zero with 3 & 4 digit no's)
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Problem Solving, all operations (+, -, X, ÷) Package 12



Package 12	Lesson 1 Language (Familiarisation through Sorting, comparing and recognise words for all operations)	Lesson 2 Add or Multiply? (Compare the language and processes - identify applications)	Lesson 3 Multiply or divide? (Compare the language and processes - identify applications)	Lesson 4 Problem Solving (Explore problem solving strategies - all operations)
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Time

Package 13 - 15



Package 13	Lesson 1 Introduce the Analogue Clock Face (Explore concepts of half and quarter)	Lesson 2 Fraction Positions (Connect fraction concepts with fractions of an hour)	Lesson 3 Read Minutes Past (Recognise 5 minute time intervals around the clock face)	Lesson 4 Read Minutes To (Introduce the concept of time to come - minutes to)
Package 14	Lesson 1 Read the Hour Hand (Compare hour positions with the minute hand position)	Lesson 2 Combine Minutes with Hours (Read time on any analogue clock)	Lesson 3 Calculate Duration (Count duration for less than an hour)	Lesson 4 Calculate Duration (Count duration for over an hour - explore the regrouping concept)
Package 15	Lesson 1 Digital Time (Convert between digital and analogue time)	Lesson 2 Timetables, am and pm (Practical application of concepts)	Lesson 3 24 hr Time (Convert between 12 & 24hr time)	Lesson 4 24 hr Time and Duration (Consolidate 12 & 24 hr time & duration during a game)

Fractions (Packages 16-19)



Package 16	Lesson 1 Introduce the Fraction Concept (Understand written format of fractions)	Lesson 2 Explore Fraction Contexts (Compare no. lines, partitioned shapes & quantities)	Lesson 3 Explore Mixed Numbers (On no. lines & as partitioned shapes)	Lesson 4 Understand Improper Fractions (Illustrate mixed numbers & change to improper fractions)
Package 17	Lesson 1 Introduce Equivalence (Illustrate & show multiples/cutting up of fractions)	Lesson 2 Reduce Fractions (Illustrate & show division/reducing fractions)	Lesson 3 Fractions to Know (Explore common equivalent fractions $\frac{1}{2} = \frac{50}{100}$ etc.)	Lesson 4 Fractions with % (Illustrate & show equivalence between fractions and percentages)
Package 18	Lesson 1 Fraction of a no. (Find the value of one part with 'concrete' illustrations)	Lesson 2 Fraction of a no. (Finding the value of more than one part, extending lesson 1 concept)	Lesson 3 Percent of a no. (Revisit concepts of equivalence. Apply fractions of numbers to %)	Lesson 4 Percent Discounts (Apply fraction of no. concepts to find discounts)
Package 19	Lesson 1 Add & subtract fractions (Equivalence concept)	Lesson 2 Add & subtract mixed no's (Illustrate concept)	Lesson 3 Multiply fractions (Fraction of no. concepts)	Lesson 4 Divide fractions

Fractions with Decimals (package 20)

Package 20	Lesson 1 Compare Fraction & Decimals (Introduce tenths concept using cut up apples)	Lesson 2 Divide Fractions to form Tenths (Write fractions as division sums - e.g. $1 \div 10$. Use apples illustrations)	Lesson 3 Divide Fractions to form Hundredths (Write fractions as division sums - e.g. $1 \div 4$ - carrying to hundredths using apple illustrations)	Lesson 4 Fraction Formats & Equivalence (Explore the relationship between fractions, decimals & %)
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Decimals with Money

Package 21 - 22



Package 21	Lesson 1 Introduce Cents (Count in 2's, 5's, 10's, 20's, 50's using coins below \$1)	Lesson 2 Explore Equivalent Values (Use different coins to make equal amounts)	Lesson 3 Count Cents Below \$1 (Count on in tens from any number)	Lesson 4 Shop Below \$1 (Find the coins to make given amounts below a dollar)
Package 22	Lesson 1 Introduce \$1.00 (Relate written format to decimal concepts - cents are part of \$1.00)	Lesson 2 Decimals / Money (Compare 5c with 50c - place value concepts)	Lesson 3 \$2 & notes (Make the same amount in different ways using notes & dollar coins)	Lesson 4 Find Change (Round up and count on - continue to develop decimal concepts)

Decimals with Measurement

Package 23

Package23	Lesson 1 Measure mm/cm (Relate measurement to decimal concepts - tenths)	Lesson 2 Measure cm/m (Relate measurement to decimal concepts - tenths & hundredths)	Lesson 3 Measure mL/L (Relate measurement to decimal concepts - thousandths)	Lesson 4 Measure Km/Kg Further application of measurement to thousandths)
Package24 Conversions & problems - to be completed				