



# Maths Builder

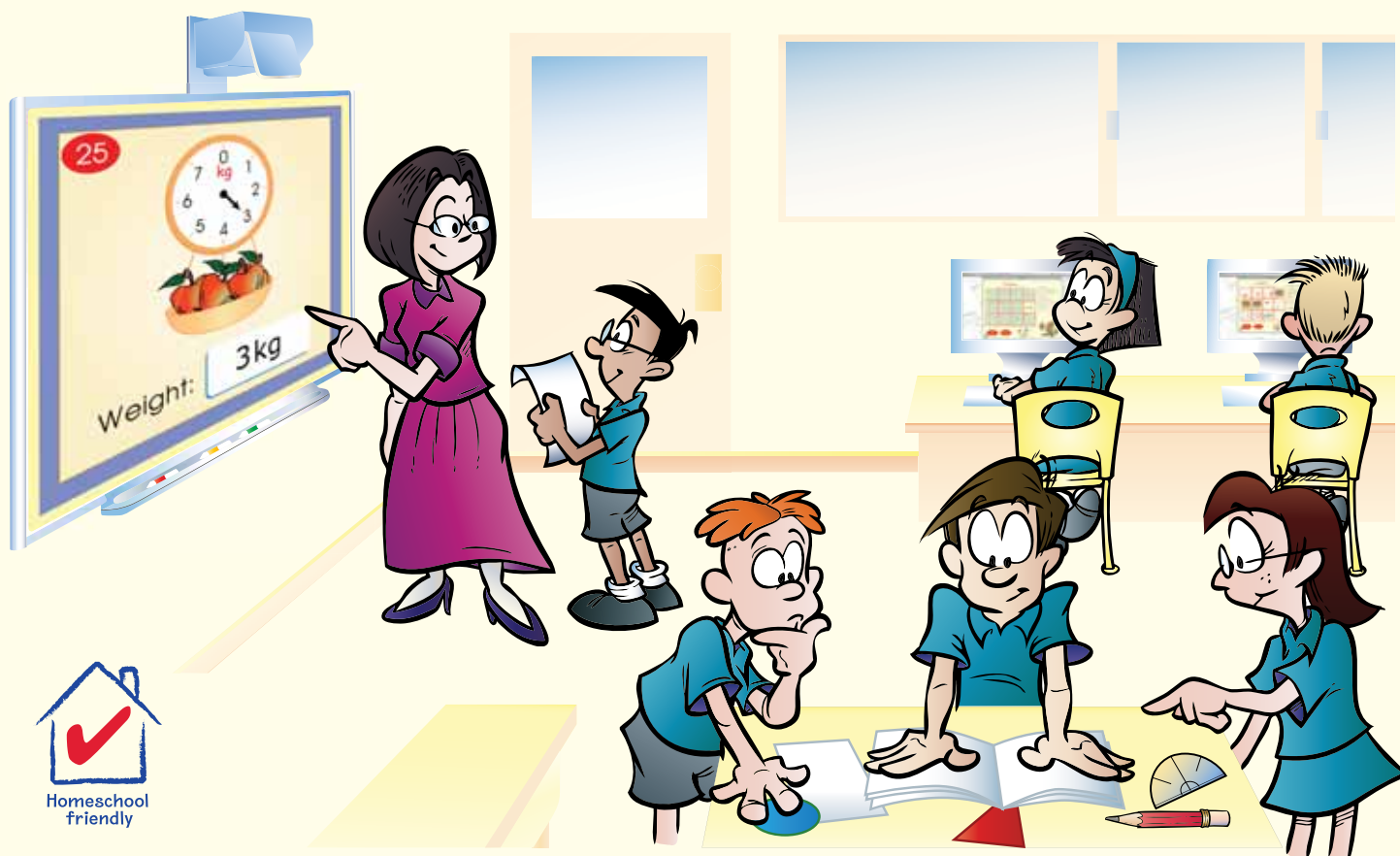


# 3

The ultimate online resource for teaching primary mathematics.

LEVEL

**A Virtual Online Textbook:** Each of the lessons listed is linked to an online worksheet and interactive game that helps students master the content.



## Level 3 suggested teaching program

This suggested teaching program will assist teachers to plan the delivery of primary mathematics content and ensure that all *strands*, *substrands* and *content descriptions* are addressed.

The pages in this program are supported by many other consolidation and extension worksheets that can be found within Maths Builder. For this program, we have selected the worksheets that will provide work that can be covered in a single year.

Clicking on the link beside each worksheet will take you to its online landing page, where the associated interactive game, related resources and the cross-reference to the development of the worksheet content will be found.

This program is based on 35 weeks of work with an average of five lessons per week. The area covered by each page is indicated by the grid on the right-hand side of the program.

### Abbreviations used in this program

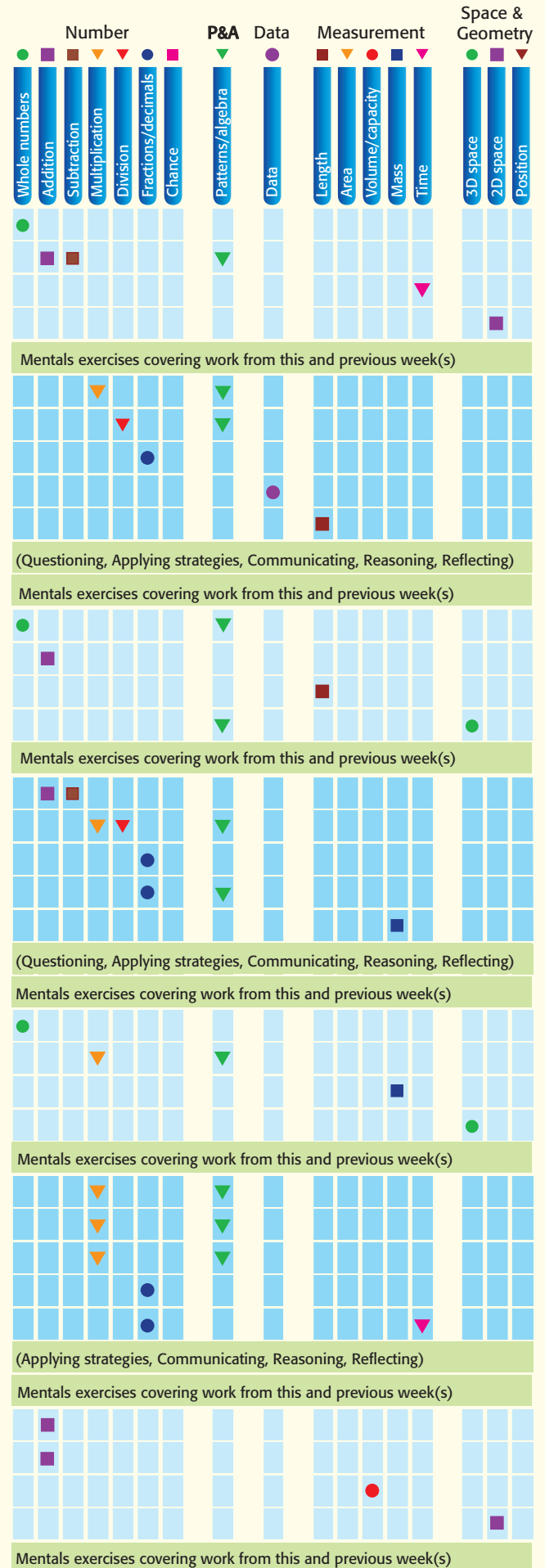
Whole Numbers	<b>WN</b>	Area	<b>A</b>
Addition and Subtraction	<b>A&amp;S</b>	Volume and Capacity	<b>V&amp;C</b>
Multiplication and Division	<b>M&amp;D</b>	Mass	<b>M</b>
Fractions, Decimals and Percentages	<b>FD&amp;P</b>	Time	<b>T</b>
Probability (Chance)	<b>P(C)</b>	3D Space	<b>3DS</b>
Patterns and Algebra	<b>P&amp;A</b>	2D Space	<b>2DS</b>
Statistics (Data)	<b>S(D)</b>	Position (Direction and Coordinates)	<b>P(D&amp;C)</b>
Length	<b>L</b>	Working Mathematically	<b>WM</b>

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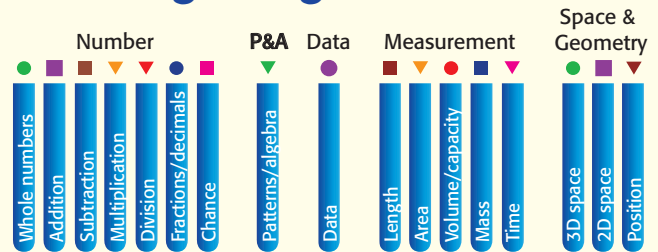
Week 1	A	2	Numbers to 1000	WN 3:01
	B	3	Addition and subtraction facts	A&S 3:01, P&A 3:06
	C	4	O'clock and half past	T 3:01
	D	5	2D shapes	2DS 3:01
		4	Mentals 3:01	WM 3:51
Week 2	A	6	Multiplication	M&D 3:01
	B	7	Division	M&D 3:02
	C	8	Fractions	FD&P 3:01
	D	9	Interpreting picture graphs	S(D) 3:01
	E	10	Measuring in centimetres	L 3:01
	F	11	Working mathematically	WM 3:02C
		6	Mentals 3:02	WM 3:52
Week 3	A	12	Counting by 2s, 5s and 10s	P&A 3:01, WN 3:02
	B	13	Mental addition strategies	A&S 3:02
	C	14	Metres and centimetres	L 3:02
	D	15	Three-dimensional solids	3DS 3:01
		8	Mentals 3:03	WM 3:53
Week 4	A	16	The jump strategy	A&S 3:03
	B	17	Linking multiplication & division	M&D 3:03
	C	18	Eighths	FD&P 3:01, P&A 3:04
	D	19	Mixed numbers	FD&P 3:03
	E	20	Units of mass	M 3:01
	F	21	Working mathematically	WM 3:02
		10	Mentals 3:04	WM 3:54
Week 5	A	22	Counting by 100s	WN 3:03
	B	23	0, 1 and 2 times tables	M&D 3:04
	C	24	The kilogram	M 3:02
	D	25	3D solids	3DS 3:02
		12	Mentals 3:05	WM 3:55
Week 6	A	26	Tables: x 5	M&D 3:05
	B	27	Tables: x 10	M&D 3:05
	C	28	5 and 10 times tables	M&D 3:07, P&A 3:02
	D	29	Halves, quarters and eighths	FD&P 3:04
	E	30	Quarter to and quarter past	T 3:02
	F	31	Working mathematically	WM 3:03
		14	Mentals 3:06	WM 3:56
Week 7	A	32	Addition using Base 10 blocks	A&S 3:04
	B	33	Addition algorithm, no trading	A&S 3:05
	C	34	Volume and capacity	V&C 3:01
	D	35	The pentagon	2DS 3:02
		16	Mentals 3:07	WM 3:57

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Week 8	A	36	Using dollars and cents	WN 3:04
	B	37	Addition, no trading	A&S 3:06
	C	38	Halves, quarters and eighths	FD&P 3:06
	D	39	Column graphs	S(D) 3:02
	E	40	Finding area using grids	A 3:01
	F	41	Working mathematically	WM 3:04
	18	Mentals 3:08	WM 3:58	

(Questioning, Applying strategies, Communicating, Reasoning, Reflecting)

Mentals exercises covering work from this and previous week(s)

42	Term Test 1	Tests and answers 3:02
46	Multiple choice 1	Tests and answers 3:03

Week 9	A	48	Numbers to 1 000	WN 3:05
	B	49	More addition strategies	A&S 3:07, P&A 3:03
	C	50	Digital time	T 3:03
	D	51	Finding the position of objects	P(D&C) 3:01
	20	Mentals 3:09	WM 3:59	

Mentals exercises covering work from this and previous week(s)

Week 10	A	52	Subtraction using Base 10 blocks	A&S 3:08
	B	53	Subtraction, no trading	A&S 3:09
	C	54	Drawing graphs from a table	S(D) 3:03
	D	55	The litre	V&C 3:02
	E	56	Comparing angles	2DS 3:03
	F	57	Working mathematically	WM 3:05
	22	Mentals 3:10	WM 3:60	

(Questioning, Applying strategies, Communicating, Reasoning, Reflecting)

Mentals exercises covering work from this and previous week(s)

Week 11	A	58	3-digit counting	WN 3:06, P&A 3:03
	B	59	Subtraction, no trading	A&S 3:10
	C	60	Litres in everyday use	V&C 3:03
	D	61	Quarter past and quarter to	T 3:04
	24	Mentals 3:11	WM 3:61	

Mentals exercises covering work from this and previous week(s)

Week 12	A	62	Ordinals to 100th	WN 3:07, T 3:05
	B	63	Tables: x 4	M&D 3:08
	C	64	Chance	P(C) 3:01
	D	65	Measuring in litres	V&C 3:04
	E	66	The right angle	2DS 3:04
	F	67	Working mathematically	WM 3:06
	26	Mentals 3:12	WM 3:62	

(Applying strategies, Reasoning, Reflecting)

Mentals exercises covering work from this and previous week(s)

Week 13	A	68	Numbers to 1000	WN 3:08
	B	69	2 and 4 times tables	M&D 3:09, P&A 3:02
	C	70	Measuring length	L 3:03
	D	71	Perpendicular lines, right angles	2DS 3:05
	28	Mentals 3:13	WM 3:63	

Mentals exercises covering work from this and previous week(s)

Week 14	A	72	Greater than, less than	WN 3:09
	B	73	Tables: x 3	M&D 3:10
	C	74	Fifths	FD&P 3:07, P&A 3:04
	D	75	Metres and centimetres	L 3:04
	E	76	The octagon	2DS 3:06
	F	77	Working mathematically	WM 3:07
	30	Mentals 3:14	WM 3:64	

(Questioning, Applying strategies, Communicating, Reasoning, Reflecting)

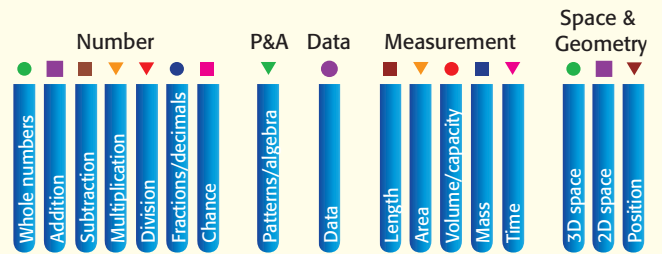
Mentals exercises covering work from this and previous week(s)

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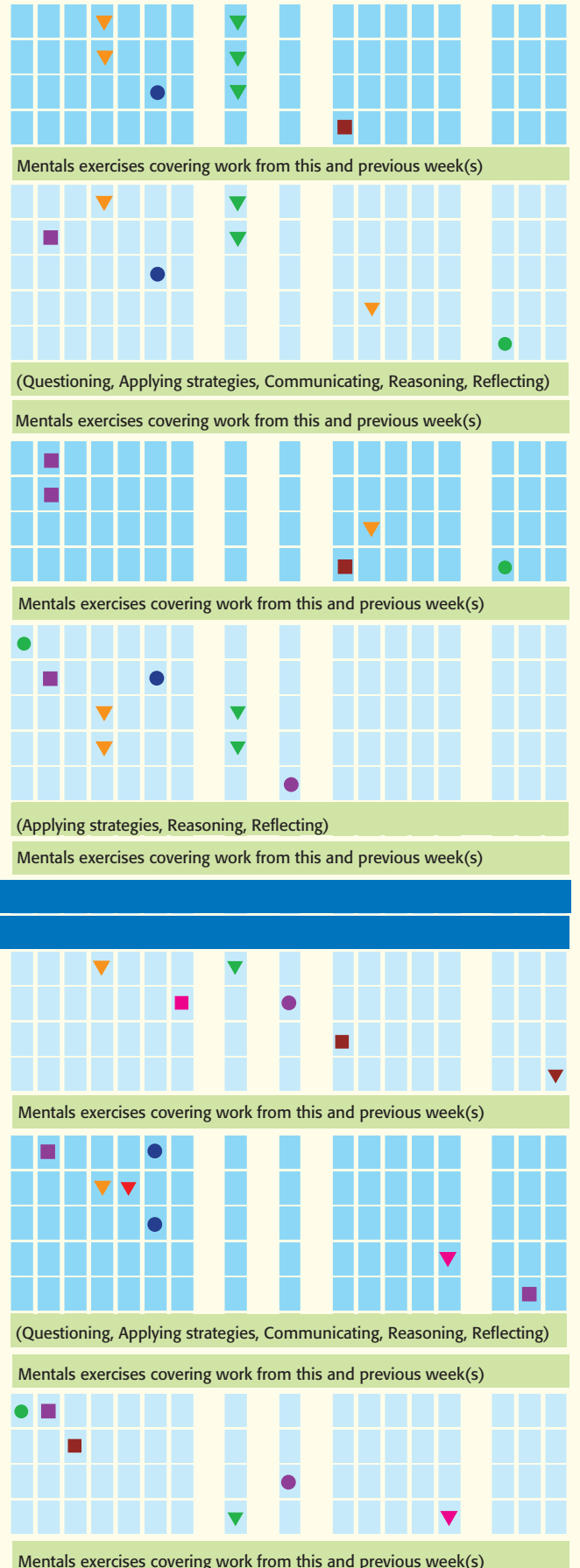
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Week 15	A	78	Tables: x 6	M&D 3:11
	B	79	3 and 6 times tables	M&D 3:12, P&A 3:05
	C	80	Tenths	FD&P 3:08, P&A 3:06
	D	81	Estimating distance	L 3:05
	32		Mentals 3:15	WM 3:65
Week 16	A	82	Multiplication	M&D 3:13
	B	83	Multiplication: mental strategies	M&D 3:14
	C	84	Comparing and ordering fractions	FD&P 3:09
	D	85	Using square centimetres	A 3:02
	E	86	Pyramids	3DS 3:03
	F	87	Working mathematically	WM 3:08
	34		Mentals 3:16	WM 3:66
Week 17	A	88	Addition with trading	A&S 3:11
	B	89	Addition with trading	A&S 3:12
	C	90	Area using cm <sup>2</sup>	A 3:03
	D	91	Describing pyramids	3DS 3:04
	36		Mentals 3:17	WM 3:67
Week 18	A	92	Using hundreds, tens and ones	WN 3:10
	B	93	Addition with trading	A&S 3:13
	C	94	Tables: x 8	M&D 3:15
	D	95	8 times tables	M&D 3:16, P&A 3:05
	E	96	Using two-way tables	S(D) 3:04
	F	97	Working mathematically	WM 3:09
	38		Mentals 3:18	WM 3:68
Term Test 2				Tests and answers 3:04
	98		Multiple choice 2	Tests and answers 3:06
Week 19	A	100	The multiplication grid	M&D 3:13
	B	101	Ordering the chances	P(C) 3:02
	C	102	Metres and centimetres	L 3:06
	D	103	Using keys or legends	P(D&C) 3:02
	40		Mentals 3:19	WM 3:69
Week 20	A	104	Shopping	A&S 3:14
	B	105	Tables: x 9	M&D 3:18
	C	106	Equivalent fractions	FD&P 3:11
	D	107	Timetables	T 3:06
	E	108	The parallelogram	2DS 3:07
	F	109	Working mathematically	WM 3:10
	42		Mentals 3:20	WM 3:70
Week 21	A	110	Expanded notation, 3 digits	WN 3:11
	B	111	Subtraction with trading	A&S 3:15
	C	112	Surveys	S(D) 3:05
	D	113	Minutes past the hour	T 3:07
	44		Mentals 3:21	WM 3:71



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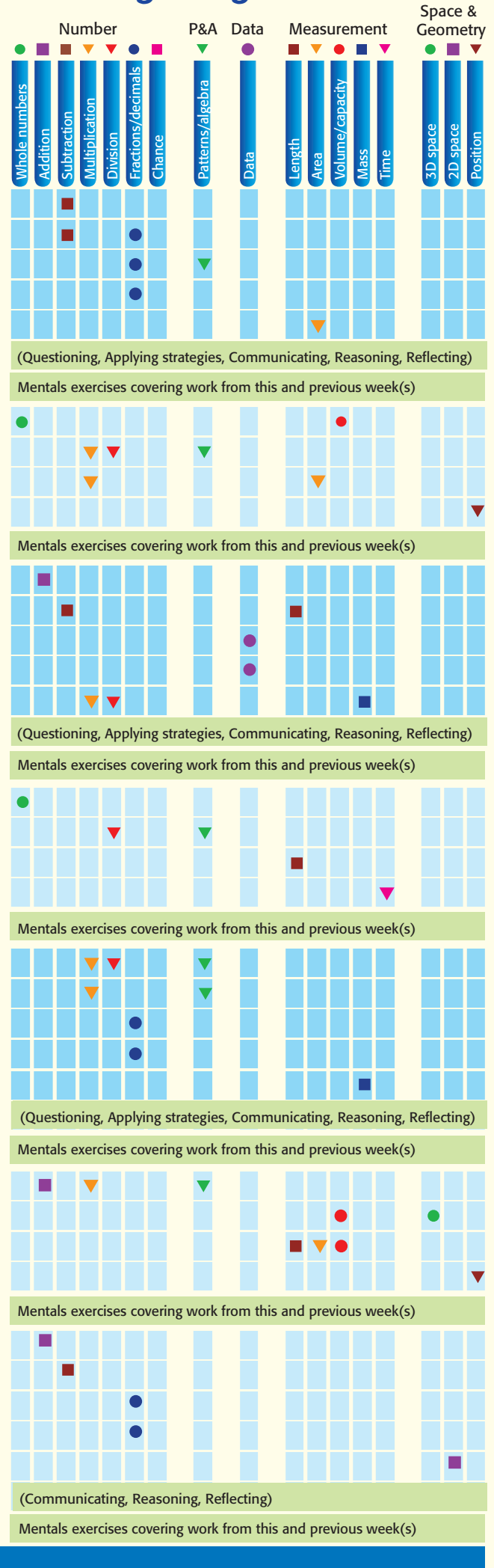
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Week 22	A 114 Subtraction with trading	A&S 3:16
	B 115 Subtraction with trading	A&S 3:17
	C 116 Fifths and tenths collections	FD&P 3:12
	D 117 Hundredths	FD&P 3:13
	E 118 Area using grid paper	A 3:04
	F 119 Working mathematically	WM 3:11
46 Mentals 3:22	WM 3:72	
Week 23	A 120 Numbers over 1 000	WN 3:12
	B 121 Division facts	M&D 3:19
	C 122 Area	A 3:05
	D 123 Finding your way	P(D&C) 3:03
48 Mentals 3:23	WM 3:73	
Week 24	A 124 Addition with trading	A&S 3:18
	B 125 Subtraction with trading	A&S 3:19, L 3:07
	C 126 Making tables	S(D) 3:06
	D 127 Drawing column graphs	S(D) 3:07
	E 128 The kilogram	M 3:03
	F 129 Working mathematically	WM 3:12, P&A 3:06
50 Mentals 3:24	WM 3:74	
Week 25	A 130 Numbers to 10 000	WN 3:13
	B 131 Division facts	M&D 3:20
	C 132 The millimetre	L 3:08
	D 133 Calendars	T 3:08
52 Mentals 3:25	WM 3:75	
Week 26	A 134 Tables: $\times 7$	M&D 3:21
	B 135 7 and 9 times tables	M&D 3:22, P&A 3:06
	C 136 Hundredths of a whole	P(D&C) 3:14
	D 137 Modelling fractions	P(D&C) 3:15
	E 138 The kilogram	M 3:04
	F 139 Working mathematically	WM 3:13
54 Mentals 3:26	WM 3:76	
Week 27	A 140 Addition / multiplication	M&D 3:23
	B 141 Units of volume	V&C 3:05
	C 142 The cubic centimetre	V&C 3:06
	D 143 Writing directions	P(D&C) 3:04
56 Mentals 3:27	WM 3:77	
Week 28	A 144 Estimation with addition	A&S 3:20
	B 145 Estimation with subtraction	A&S 3:21
	C 146 Decimals and fractions	FD&P 3:16
	D 147 Decimals and fractions	FD&P 3:17
	E 148 Lines of symmetry	2DS 3:08
	F 149 Working mathematically	WM 3:14
58 Mentals 3:28	WM 3:78	
<b>Term Test 3</b>		<b>Tests and answers 3:07</b>



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Week 29	A	150	Counting by 2s, 5s and 10s	WN 3:14,
	B	151	Decimals and fractions	P&A 3:07
	C	152	Centimetres and millimetres	L 3:09
	D	153	Directions using a compass	P(D&C) 3:05
	60		Mentals 3:29	WM 3:79
Week 30	A	154	Decimals greater than one	FD&P 3:19
	B	155	Decimals and money	FD&P 3:20
	C	156	Possible outcomes	P(C) 3:03
	D	157	Calculating volume	V&C 3:07
	E	158	Minutes past the hour	T 3:09
	F	159	Working mathematically	WM 3:15
62		Mentals 3:30	WM 3:80	
Week 31	A	160	Counting by 100s and 10s	WN 3:15, P&A 3:08
	B	161	Decimal addition & subtraction	A&S 3:22, FD&P 3:21
	C	162	Perimeter	L 3:10
	D	163	3D models	3DS 3:05
64		Mentals 3:31	WM 3:81	
Week 32	A	164	Division mental strategies	M&D 3:24
	B	165	Division	M&D 3:25
	C	166	Timelines	T 3:10
	D	167	3D in everyday use	3DS 3:06
	E	168	Finding direction on maps	P(D&C) 3:06
	F	169	Working mathematically	WM 3:16, P&A 3:06
66		Mentals 3:32	WM 3:82	
Week 33	A	170	Rounding to the nearest 1000	WN 3:16
	B	171	Problem solving	M&D 3:26
	C	172	Grams	M 3:05
Week 34	D	173	Rigidity of frames	2DS 3:09
	A	174	Four-digit numbers	WN 3:17
	B	175	Addition and subtraction	A&S 3:23, T 3:11
	C	176	Multiplication and division	M&D 3:27
	D	177	Decimals in everyday life	FD&P 3:22
	F	179	Working mathematically	WM 3:17
Week 35	A	180	Speed tests	S(D) 3:08, T 3:12
	B	181	Christmas Maths	2DS 3:10
	C	182	Measurement	V&C 3:08
	D	183	Flip, slide and turn	2DS 3:11
	184	Important things	Charts and mindmaps 3:06	
		Term Test 4	Tests and answers 3:08	

