



# Maths Builder



# 4

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 4 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

Addition and Subtraction

Multiplication and Division

Fractions, Decimals and Percentages

Probability (Chance)

Patterns and Algebra

Statistics (Data)

Length

WN

A&S

M&D

FD&P

P(C)

P&A

S(D)

L

Area

Volume and Capacity

Mass

Time

3D Space

2D Space

Position (Direction and Coordinates)

Working Mathematically

A

V&C

M

T

3DS

2DS

P(D&C)

WM

# The Maths Builder Suggested Teaching Program – Level 4

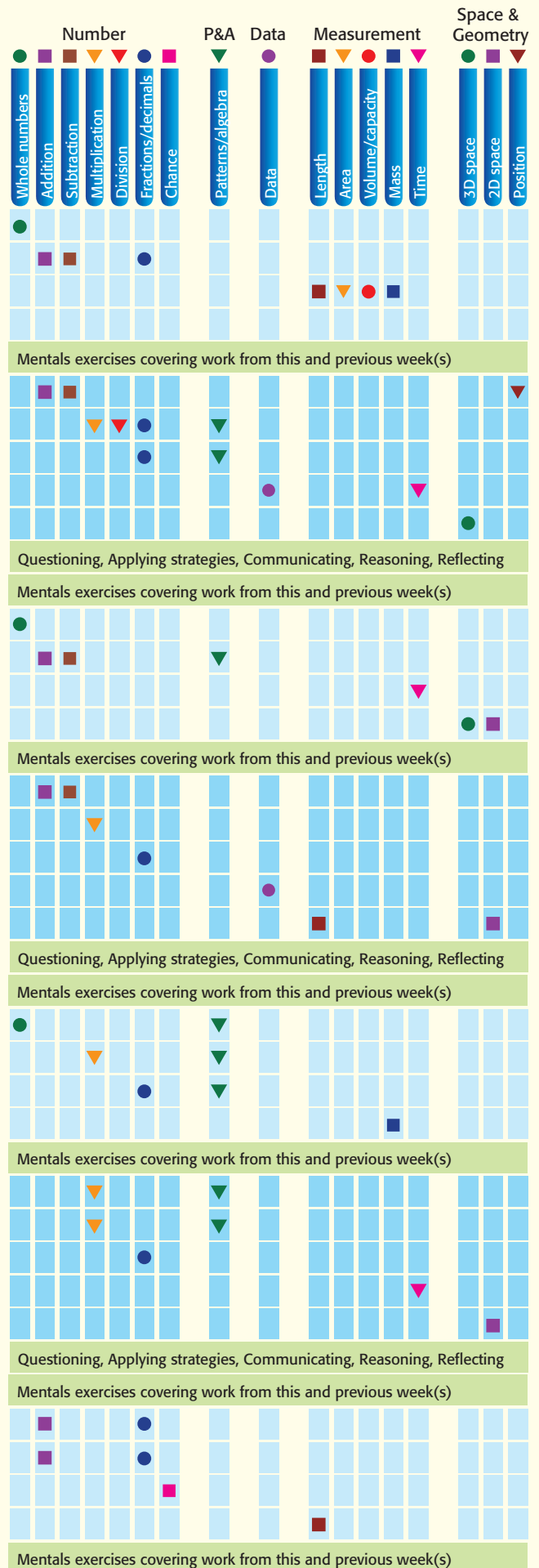
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Week 1	A	2	4-digit numbers	WN 4:01
	B	3	Addition and subtraction	A&S 4:01
	C	4	Measurement	L 4:01, A 4:01, V&C 4:01
	D	5	2D space	2DS 4:01
		4	Mentals 4:01	WM 4:51
Week 2	A	6	Addition & subtraction	A&S 4:02
	B	7	Division	M&D 4:01
	C	8	Fractions	FD&P 4:01
	D	9	Labelling the axes of graphs	S(D) 4:01, T 4:01
	E	10	3D objects	3DS 4:01
	F	11	Working mathematically	WM 4:02C
		6	Mentals 4:02	WM 4:52
Week 3	A	12	Numbers to 10 000	WN 4:02
	B	13	Addition/subtraction strategies	A&S 4:03, P&A 4:02E
	C	14	Minutes past the hour	T 4:02
	D	15	Making angles	2DS 4:02, 3DS 4:04
		8	Mentals 4:03	WM 4:53
Week 4	A	16	Inverse operations	A&S 4:04
	B	17	Times tables	M&D 4:02
	C	18	Comparing fractions	FD&P 4:02
	D	19	Graphing and tables	S(D) 4:02
	E	20	Perimeter	L 4:02
	F	21	Working mathematically	WM 4:02
		10	Mentals 4:04	WM 4:54
Week 5	A	22	Counting using flip books	WN 4:03
	B	23	Tables: x 3, x 6, x 9	M&D 4:03
	C	24	Comparing fractions	FD&P 4:03
	D	25	Kilograms and grams	M 4:01
		12	Mentals 4:05	WM 4:55
Week 6	A	26	Square numbers	M&D 4:04, P&A 4:04
	B	27	Tables: x 7, x 8	M&D 4:05
	C	28	Equivalent fractions	FD&P 4:04
	D	29	Minutes past the hour	T 4:03
	E	30	Drawing angles	2DS 4:03
	F	31	Working mathematically	WM 4:03
		14	Mentals 4:06	WM 4:56
Week 7	A	32	Addition, 3 digits, no trading	A&S 4:05
	B	33	Addition with one trade	A&S 4:06
	C	34	Chance	P(C) 4:01
	D	35	Measuring the perimeter	L 4:03
		16	Mentals 4:07	WM 4:57

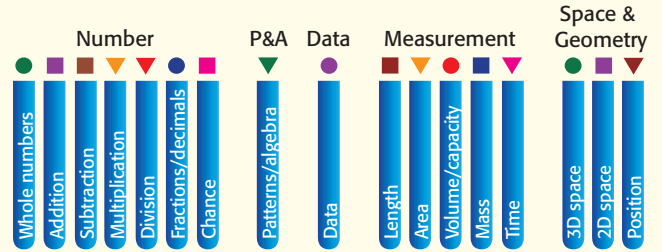


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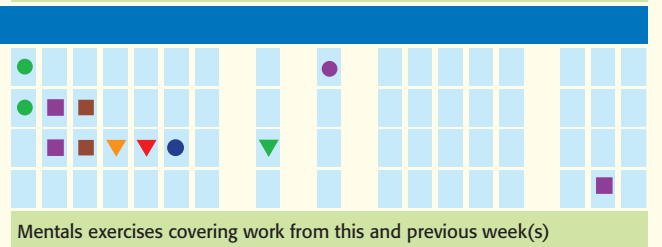
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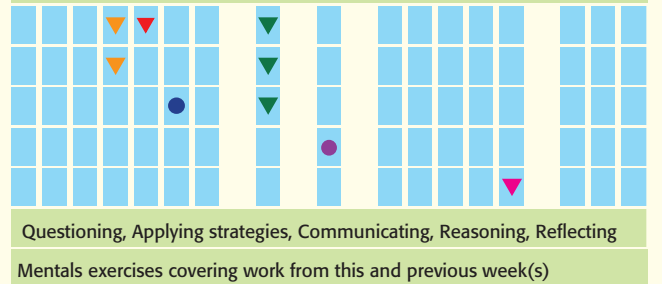
Week	Lesson	Topic	Code
8	A	36 Subtraction, 3 digits	A&S 4:07
	B	37 Subtraction with trading	A&S 4:08
	C	38 Decimals	FD&P 4:05
	D	39 Metres and centimetres	L 4:04
	E	40 Volume	V&C 4:02
	F	41 Working mathematically	WM 4:04
	18	Mentals 4:08	WM 4:58



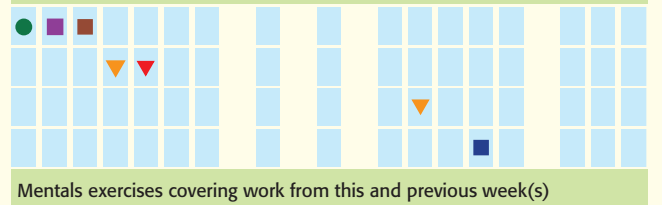
Week	Lesson	Topic	Code
9	42	Term Test 1	Tests and answers 4:02
	A	46 Rounding	WN 4:04, S(D) 4:03
	B	47 Rounding to estimate answers	A&S 4:09
	C	48 Patterns	P&A 4:01
	D	49 Lines	2DS 4:04
	20	Mentals 4:09	WM 4:59



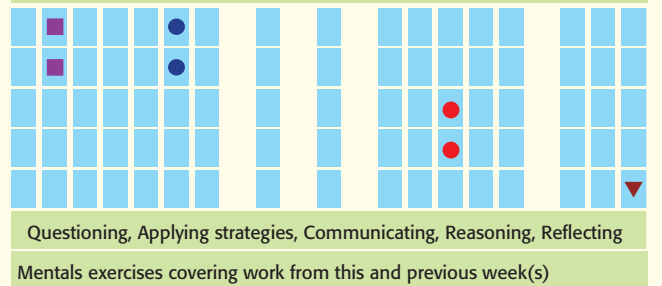
Week	Lesson	Topic	Code
10	A	50 Tables practice	M&D 4:06
	B	51 Factors	M&D 4:07
	C	52 Comparing fifths and tenths	FD&P 4:06
	D	53 Column and picture graphs	S(D) 4:04
	E	54 Minutes to the hour	T 4:04
	F	55 Working mathematically	WM 4:05
	22	Mentals 4:10	WM 4:60



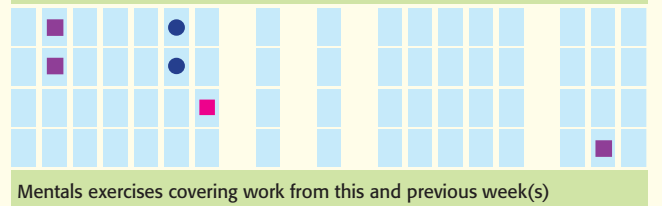
Week	Lesson	Topic	Code
11	A	56 Numbers to 10 000	WN 4:05
	B	57 Multiplication and division	M&D 4:08
	C	58 Measuring larger areas	A 4:02
	D	59 Kilograms and grams	M 4:02
		24	Mentals 4:11



Week	Lesson	Topic	Code
12	A	60 Addition, 3 digits, one trade	A&S 4:10
	B	61 Addition, 3 digits	A&S 4:11
	C	62 Volume and capacity	V&C 4:03
	D	63 Volume and capacity	V&C 4:04
	E	64 Following directions	P(D&C) 4:01
	F	65 Working mathematically	WM 4:06
	26	Mentals 4:12	WM 4:62



Week	Lesson	Topic	Code
13	A	66 Addition with two trades	A&S 4:12
	B	67 Addition with trading	A&S 4:13
	C	68 Chance	P(C) 4:02
	D	69 Angles	2DS 4:05
		28	Mentals 4:13



Week	Lesson	Topic	Code
14	A	70 Addition strategies	A&S 4:14
	B	71 Division	M&D 4:09
	C	72 Fractions of collections	FD&P 4:07
	D	73 From survey to graph	S(D) 4:05
	E	74 Minutes to and past the hour	T 4:05
	F	75 Working mathematically	WM 4:07
	30	Mentals 4:14	WM 4:64



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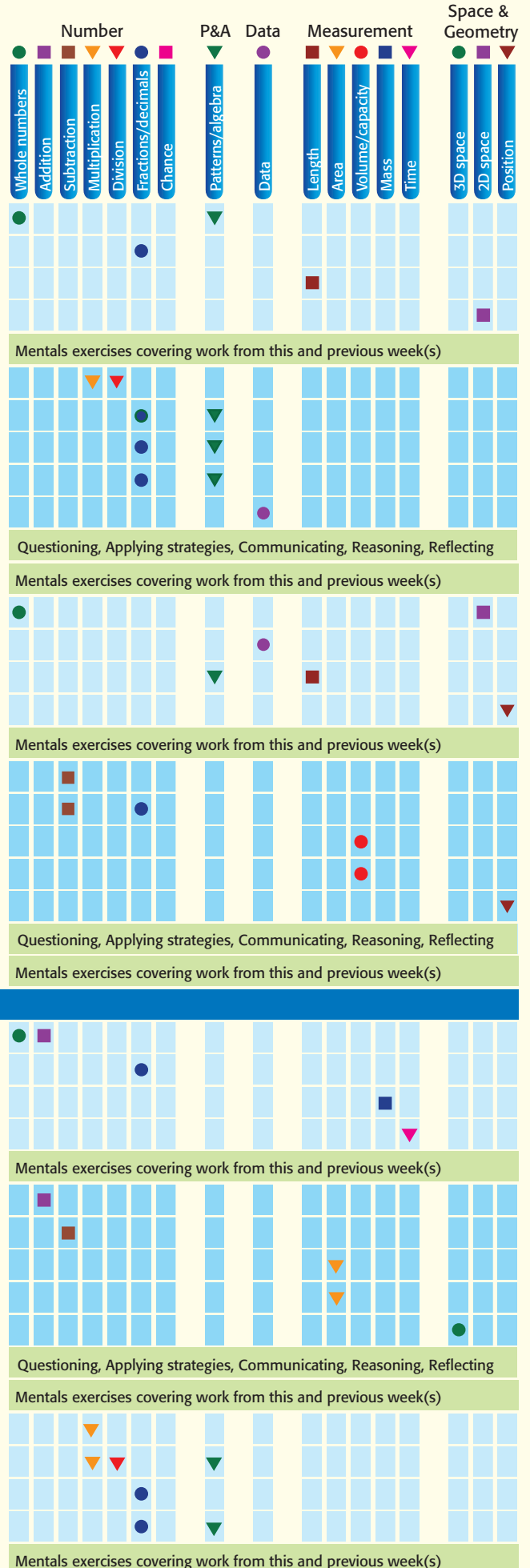
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Week	Lesson	Textbook Page	Workbook Page
15	A 76	Counting by 100s	WN 4:06, P&A 4:02
	B 77	Equivalent fractions	FD&P 4:08
	C 78	Centimetres and millimetres	L 4:05
	D 79	Quadrilaterals	2DS 4:06
	32	Mentals 4:15	WM 4:65
16	A 80	Division	M&D 4:10
	B 81	Equivalent fractions	FD&P 4:08E
	C 82	Mixed numbers	FD&P 4:09
	D 83	Mixed numbers	FD&P 4:10
	E 84	Making two-way tables	S(D) 4:06
	F 85	Working mathematically	WM 4:08
	34	Mentals 4:16	WM 4:66
17	A 86	Ordinal numbers	WN 4:07, 2DS 4:10
	B 87	Making two-way tables	S(D) 4:07
	C 88	Centimetres and millimetres	L 4:06
	D 89	Describing positions	P(D&C) 4:02
	36	Mentals 4:17	WM 4:67
18	A 90	Subtraction, 3 digits, one trade	A&S 4:15
	B 91	Subtraction with trading	A&S 4:16
	C 92	Millilitres	V&C 4:05
	D 93	Litres and millilitres	V&C 4:06
	E 94	Naming positions on a grid	P(D&C) 4:03
	F 95	Working mathematically	WM 4:09
	38	Mentals 4:18	WM 4:68
Term Test 2		Tests and answers 4:03	
19	A 96	Expanded notation	WN 4:08
	B 97	Equivalence in collections	FD&P 4:11
	C 98	Measuring mass	M 4:03
	D 99	Analog and digital time	T 4:06
	40	Mentals 4:19	WM 4:69
20	A 100	Estimating with addition	A&S 4:17
	B 101	Estimating with subtraction	A&S 4:18
	C 102	Making a square metre	A 4:03
	D 103	Using the square metre	A 4:04
	E 104	Views of 3D objects	3DS 4:02
	F 105	Working mathematically	WM 4:10
	42	Mentals 4:20	WM 4:70
21	A 106	Multiplying by a multiple of 10	M&D 4:11
	B 107	Multiplication and division by 4	M&D 4:12
	C 108	Fractions and decimals	FD&P 4:12
	D 109	Fractions and decimals	FD&P 4:13, P&A 4:03
	44	Mentals 4:21	WM 4:71

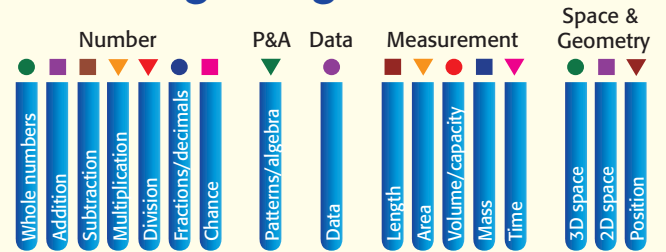


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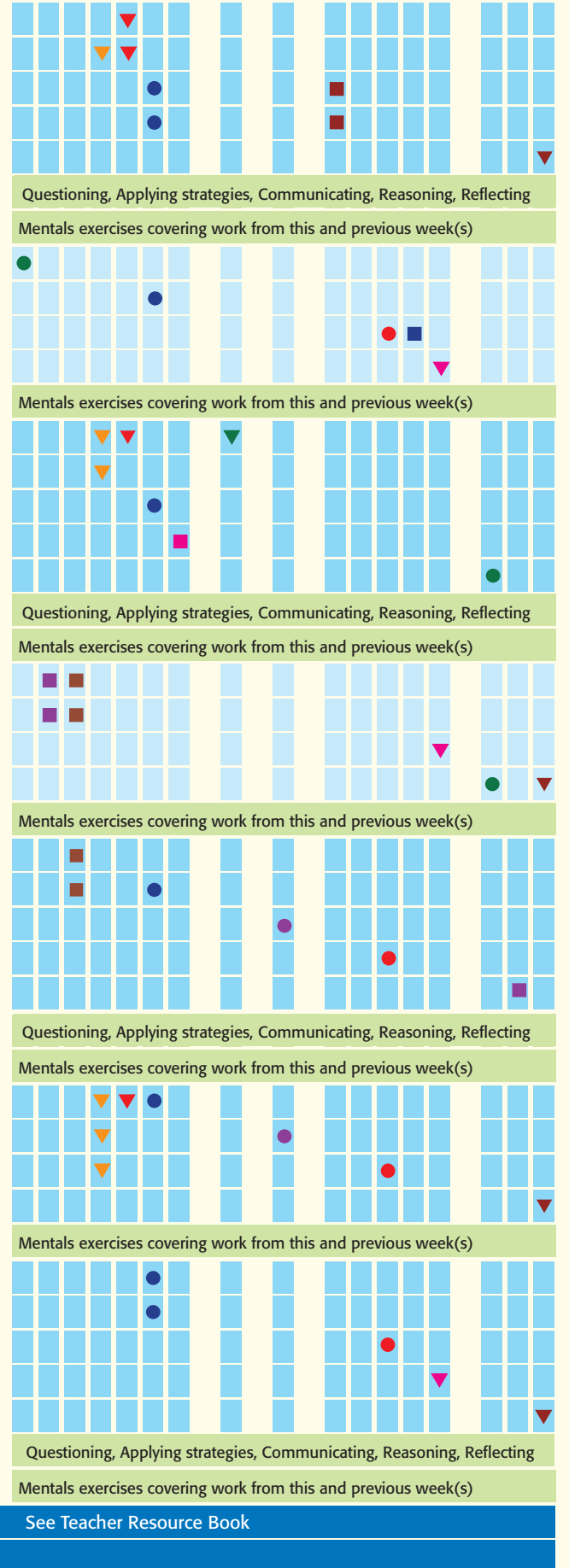
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Week	Lesson	Page	Topic	Textbook Reference	Mentals Reference
22	A	110	Division with remainders	M&D 4:13	
	B	111	Division using multiplication	M&D 4:14	
	C	112	Writing lengths using decimals	L 4:07	
	D	113	Writing lengths using decimals	L 4:08	
	E	114	Naming positions on maps	P(D&C) 4:04	
	F	115	Working mathematically	WM 4:12	
	46	Mentals 4:22	WM 4:72		
23	A	116	Place value	WN 4:09	
	B	117	Ordering decimals	FD&P 4:16	
	C	118	Mass and volume	M 4:04	
	D	119	Timetables	T 4:07	
	48	Mentals 4:23	WM 4:73		
24	A	120	Multiplication and division	M&D 4:15	
	B	121	Multiplying bigger numbers	M&D 4:16	
	C	122	Rounding decimals	FD&P 4:17	
	D	123	Chance	P(C) 4:03	
	E	124	Nets of 3D objects	3DS 4:03	
	F	125	Working mathematically	WM 4:13	
	50	Mentals 4:24	WM 4:74		
25	A	126	Addition & subtraction strategies	A&S 4:19	
	B	127	Addition and subtraction	A&S 4:20	
	C	128	Seconds	T 4:08	
	D	129	Plans and views	3DS 4:04, P(D&C) 4:08	
	52	Mentals 4:25	WM 4:75		
26	A	130	Subtraction from 100s	A&S 4:21	
	B	131	Subtraction from 100s	A&S 4:22	
	C	132	Graphs and two-way tables	S(D) 4:08	
	D	133	Volume of a prism	V&C 4:07	
	E	134	Features of 2D shapes	2DS 4:08	
	F	135	Working mathematically	WM 4:14	
	54	Mentals 4:26	WM 4:76		
27	A	136	× and ÷ of decimals by 10, 100	M&D 4:17	
	B	137	Tables speed tests	M&D 4:18, S(D) 4:09	
	C	138	Calculating volume	V&C 4:08	
	D	139	Plotting points	P(D&C) 4:05	
	56	Mentals 4:27	WM 4:77		
28	A	140	Percentages	FD&P 4:19	
	B	141	Percentages	FD&P 4:20	
	C	142	Converting between mL and L	V&C 4:09	
	D	143	Time	T 4:09	
	E	144	Compass points	P(D&C) 4:06	
	F	145	Working mathematically	WM 4:15	
	58	Mentals 4:28	WM 4:78		
Term Test 3			Tests and answers 4:04	See Teacher Resource Book	
146	Multiple choice		Tests and answers 4:06		

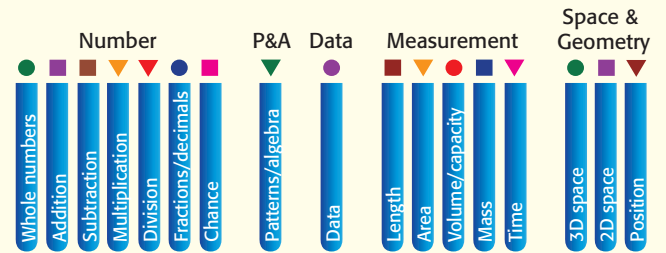


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Week 29	A	148	Rounding numbers	WN 4:10
	B	149	Division with a remainder	M&D 4:19
	C	150	Kilograms and grams	M 4:05
	D	151	Cross-sections	3DS 4:05
	60	Mentals 4:29	WM 4:79	
Week 30	A	152	Addition, 4 digits, no trading	A&S 4:23
	B	153	Subtraction, 4 digits, no trading	A&S 4:24
	C	154	Percentages	FD&P 4:22
	D	155	Chance: expected outcomes	P(C) 4:03
	E	156	Drawing 3D objects	3DS 4:09
	F	157	Working mathematically	WM 4:16, P&A 4:05
62	Mentals 4:30	WM 4:80		
Week 31	A	158	Numbers to 10 000	WN 4:11
	B	159	Addition, 4 digits, with trading	A&S 4:25
	C	160	Centimetres	FD&P 4:23, L 4:10
	D	161	3D models	3DS 4:06, L 4:09
64	Mentals 4:31	WM 4:81		
Week 32	A	162	Subtraction algorithm, trading	A&S 4:26
	B	163	Subtracting from thousands	A&S 4:27
	C	164	Two-way tables	S(D) 4:11
	D	165	Time using minutes	T 4:10
	E	166	Volume by displacement	V&C 4:10
	F	167	Working mathematically	WM 4:17
66	Mentals 4:32	WM 4:82		
Term Test 4				Tests and answers 4:07
Week 33	A	168	Working with numbers	WN 4:12
	B	169	Multiplying 2-digit numbers	M&D 4:20
	C	170	Division of larger 2-digit numbers	M&D 4:21
	D	171	Compass directions	P(D&C) 4:07
Week 34	A	172	Multiples, factors and products	M&D 4:22
	B	173	Division, 2-digits, trading	M&D 4:23
	C	174	Solving problems	P&A 4:04
	D	175	Features of 2D shapes	2DS 4:09
	E	176	House plans	P(D&C) 4:09, A 4:05
	F	177	Working mathematically	WM 4:18
Week 35	A	178	Speed tests	S(D) 4:10, T 4:11
	B	179	Holiday review	2DS 4:10
	C	180	Prisms and pyramids	3DS 4:07
	D	181	Comparing 3D objects	3DS 4:08
184	Essential facts	Charts and mindmaps 4:06		

