Maths Builder 5

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.

Homeschool friendly

Level 5 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	WN	Area	A
Addition and Subtraction	A&S	Volume and Capacity	V&C
Multiplication and Division	M&D	Mass	M
Fractions, Decimals and Percentages	FD&P	Time	T
Probability (Chance)	P(C)	3D Space	3DS
Patterns and Algebra	P&A	2D Space	2DS
Statistics (Data)	S(D)	Position (Direction and Coordinates)	P(D&C)
Length	L	Working Mathematically	WM

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Click the link to online worksheet and interactive game:

					Number							P&A	Data	Measurement				Space & Geometry		
					Whole numbers	Addition	Subtraction	Multiplication	Division	Fractions/decimals	Chance	Patterns/algebra	Data	Length	Area	Volume/capacity	Mass	Time	3D space	2D space	Position
Week 1	A	2	Numbers to 10 000	WN 5:01	●																
	B	3	Mental strategies	A&S 5:01		■	■														
	C	4	Millimetres, centimetres, metres	L 5:01										■	▼						
	D	5	Measurement	A 5:01, V&C 5:08, 5:01, M 5:01											▼	●	■	▼	●		
		4	Mentals 5:01	WM 5:51	Mentals exercises covering work from this and previous week(s)																
Week 2	A	6	Addition	A&S 5:02, M 5:01		■				●							■				
	B	7	Subtraction	A&S 5:03, V&C 5:01			■			●						●					
	C	8	Fractions and decimals	FD&P 5:01						●											
	D	9	Converting mm, cm and m	L 5:02										■							
	E	10	Polygons	2DS 5:01																■	
	F	11	Working mathematically	WM 5:02C, P&A 5:08	Questioning, Applying strategies, Communicating, Reasoning, Reflecting																
		6	Mentals 5:02	WM 5:52	Mentals exercises covering work from this and previous week(s)																
Week 3	A	12	Numbers to 10 000	WN 5:02	●	■															
	B	13	Division	M&D 5:01					▼												
	C	14	Fractions and decimals	FD&P 5:02						●											
	D	15	Angles	2DS 5:02																	
		8	Mentals 5:03	WM 5:53	Mentals exercises covering work from this and previous week(s)																
Week 4	A	16	Multiplication	M&D 5:02				▼													
	B	17	Factors and multiples	M&D 5:03				▼													
	C	18	Grams and kilograms	M 5:02		■											■				
	D	19	3D objects	3DS 5:01															●		
	E	20	Directions	P(D&C) 5:01																	▼
	F	21	Working mathematically	WM 5:02	Questioning, Applying strategies, Communicating, Reasoning, Reflecting																
		10	Mentals 5:04	WM 5:54	Mentals exercises covering work from this and previous week(s)																
Week 5	A	22	Mental strategies	A&S 5:05		■	■														
	B	23	Using keys	S(D) 5:01									●								
	C	24	Types of angles	2DS 5:03																■	
	D	25	Measuring angles	2DS 5:04																■	
		12	Mentals 5:05	WM 5:55	Mentals exercises covering work from this and previous week(s)																
Week 6	A	26	Checking by estimating	A&S 5:06		■	■														
	B	27	Addition and data	A&S 5:07, S(D) 5:02		■							●								
	C	28	Thirds, sixths and twelfths	FD&P 5:03						●											
	D	29	Thirds, sixths and twelfths	FD&P 5:04						●		▼									
	E	30	Time	T 5:01														▼			
	F	31	Working mathematically	WM 5:03	Questioning, Applying strategies, Communicating, Reasoning, Reflecting																
		14	Mentals 5:06	WM 5:56	Mentals exercises covering work from this and previous week(s)																
Week 7	A	32	4-digit numbers	WN 5:03	●																
	B	33	Equivalent fractions	FD&P 5:05						●											
	C	34	Chance	P(C) 5:01						●	■										
	D	35	Square metres	A 5:02											▼						
		16	Mentals 5:07	WM 5:57	Mentals exercises covering work from this and previous week(s)																

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					Whole numbers	Addition	Subtraction	Multiplication	Division	Fractions/decimals	Chance	Patterns/algebra	Data	Length	Area	Volume/capacity	Mass	Time	3D space	2D space	Position
Week 8	A	36	Addition to 4 digits	A&S 5:08		■				●		▼									
	B	37	Subtraction to 4 digits	A&S 5:09		■	■					▼	●								
	C	38	Equivalent fractions	FD&P 5:07						●											
	D	39	3D objects	3DS 5:02															●		
	E	40	Lines	2DS 5:05																■	
	F	41	Working mathematically	WM 5:04	Questioning, Applying strategies, Communicating, Reasoning, Reflecting																
		18	Mentals 5:08	WM 5:58	Mentals exercises covering work from this and previous week(s)																
		42	Term Test 1	Tests and answers 5:02																	
		46	Multiple choice 1	Tests and answers 5:03																	
Week 9	A	48	5-digit numbers	WN 5:04	●																
	B	49	Mixed operations	M&D 5:04				▼	▼			▼									
	C	50	Calculating area	A 5:03											▼						
	D	51	Prisms and pyramids	3DS 5:02															●		
		20	Mentals 5:09	WM 5:59	Mentals exercises covering work from this and previous week(s)																
Week 10	A	52	Percentages	FD&P 5:08						●	■										
	B	53	Percentages	FD&P 5:09						●											
	C	54	Measuring angles	2DS 5:06																■	
	D	55	Measuring angles	2DS 5:07																■	
	E	56	Plotting coordinates	P(D&C) 5:02																	▼
	F	57	Working mathematically	WM 5:05, P&A 5:01	Questioning, Applying strategies, Communicating, Reasoning, Reflecting																
		22	Mentals 5:10	WM 5:60	Mentals exercises covering work from this and previous week(s)																
Week 11	A	58	5-digit numbers	WM 5:05	●																
	B	59	Multiplying 10s & 100s numbers	M&D 5:05				▼													
	C	60	Perimeter and area	L 5:03, A 5:04											■	▼					
	D	61	Diagonals	2DS 5:08																■	
		24	Mentals 5:11	WM 5:61	Mentals exercises covering work from this and previous week(s)																
Week 12	A	62	Multiplying using strategies	M&D 5:06				▼													
	B	63	Multiplication of 2-digit numbers	M&D 5:07				▼		●											
	C	64	The kilometre	L 5:04										■							
	D	65	Measuring length	L 5:05										■							
	E	66	Prisms and pyramids	3DS 5:04															●		
	F	67	Working mathematically	WM 5:06, P&A 5:01	Questioning, Applying strategies, Communicating, Reasoning, Reflecting																
		26	Mentals 5:12	WM 5:62	Mentals exercises covering work from this and previous week(s)																
Week 13	A	68	Numbers to 99 999	WN 5:06	●																
	B	69	Subtracting from thousands	A&S 5:10			■														
	C	70	Chance	P(C) 5:02, FD&P 5:10						●	■										
	D	71	am and pm times	T 5:02														▼			
		28	Mentals 5:13	WM 5:63	Mentals exercises covering work from this and previous week(s)																
Week 14	A	72	Addition to 5 digits	A&S 5:11		■															
	B	73	Subtraction to 5 digits	A&S 5:12			■			●											
	C	74	Picture graphs	S(D) 5:04									●								
	D	75	Kilometres and speed	L 5:06										■							
	E	76	Turning and direction	2DS 5:09																■	▼
	F	77	Working mathematically	WM 5:07	Questioning, Applying strategies, Communicating, Reasoning, Reflecting																
		30	Mentals 5:14	WM 5:64	Mentals exercises covering work from this and previous week(s)																

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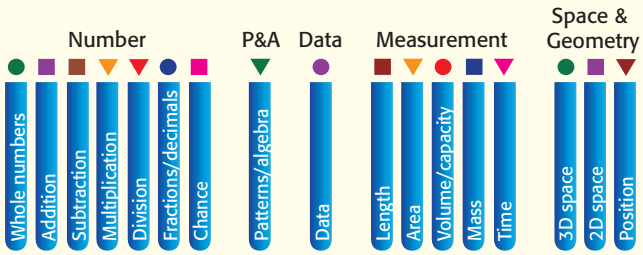

Week 15	A	78	Division: 2-digit answers	M&D 5:08	
	B	79	Improper fractions/mixed numbers	FD&P 5:11	
	C	80	Volume and capacity	V&C 5:02	
	D	81	Pyramids	3DS 5:05	
		32	Mentals 5:15	WM 5:65	Mentals exercises covering work from this and previous week(s)
Week 16	A	82	Division strategies	M&D 5:09	
	B	83	Averages	M&D 5:10	
	C	84	Using am and pm	T 5:03	
	D	85	Measuring angles	2DS 5:10	
	E	86	Coordinates and maps	P(D&C) 5:04	
	F	87	Working mathematically	WM 5:08, P&A 5:01	Questioning, Applying strategies, Communicating, Reasoning, Reflecting
		34	Mentals 5:16	WM 5:66	Mentals exercises covering work from this and previous week(s)
Week 17	A	88	5-digit numbers	WN 5:07	
	B	89	Division: 2-digit answers	M&D 5:11	
	C	90	Volume in layers	V&C 5:03	
	D	91	Calculating volume	V&C 5:04	
		36	Mentals 5:17	WM 5:67	Mentals exercises covering work from this and previous week(s)
Week 18	A	92	Fractions of a collection	FD&P 5:12	
	B	93	Improper fractions/mixed numbers	FD&P 5:13	
	C	94	Using the key of a picture graph	S(D) 5:05	
	D	95	Volumes and capacities	V&C 5:05	
	E	96	The calendar	T 5:04	
	F	97	Working mathematically	WM 5:09	Applying strategies, Reasoning, Reflecting
		38	Mentals 5:18	WM 5:68	Mentals exercises covering work from this and previous week(s)
			Term Test 2	Tests and answers 5:04	See Teacher Resouce Book
		98	Multiple choice 2	Tests and answers 5:06	
Week 19	A	100	5-digit numbers	WN 5:08	
	B	101	Multiplying using strategies	M&D 5:12	
	C	102	Drawing acute angles	2DS 5:11	
	D	103	Constructing acute angles	2DS 5:12	
		40	Mentals 5:19	WM 5:69	Mentals exercises covering work from this and previous week(s)
Week 20	A	104	Multiplication of 3-digit numbers	M&D 5:13	
	B	105	Multiplication of 3-digit numbers	M&D 5:14	
	C	106	Drawing picture graphs	S(D) 5:06	
	D	107	Naming prisms	3DS 5:06	
	E	108	Locating positions	P(D&C) 5:05	
	F	109	Working mathematically	WM 5:10	(Questioning, Applying strategies, Communicating, Reasoning, Reflecting)
		42	Mentals 5:20	WM 5:70	Mentals exercises covering work from this and previous week(s)
Week 21	A	110	Negative numbers	WN 5:09	
	B	111	Thousandths	FD&P 5:14	
	C	112	Picture and column graphs	S(D) 5:07	
	D	113	Area and perimeter of rectangles	A 5:05, L 5:07	
		44	Mentals 5:21	WM 5:71	Mentals exercises covering work from this and previous week(s)

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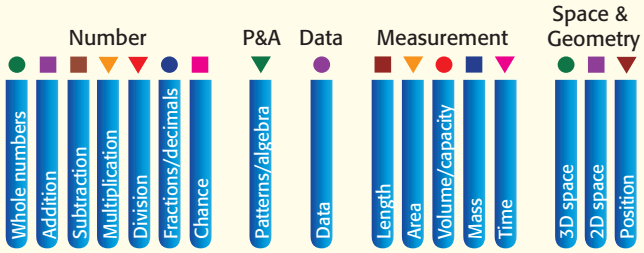

Week 22	A	114	6-digit numbers	WN 5:10	
	B	115	5-digit addition and subtraction	A&S 5:13	
	C	116	The cubic metre	V&C 5:06	
	D	117	Cubic metres	V&C 5:07	
	E	118	24-hour time	T 5:05	
	F	119	Working mathematically	WM 5:11, P&A 5:03	(Questioning, Applying strategies, Communicating, Reasoning, Reflecting)
		46	Mentals 5:22	WM 5:72	Mentals exercises covering work from this and previous week(s)
Week 23	A	120	Roman numerals	WN 5:11	
	B	121	Using large numbers	A&S 5:14	
	C	122	Describing the chances	P(C) 5:03	
	D	123	Types of triangles	2DS 5:13	
		48	Mentals 5:23	WM 5:73	Mentals exercises covering work from this and previous week(s)
Week 24	A	124	Division with 2 digits: remainders	M&D 5:15	
	B	125	Checking division	M&D 5:16	
	C	126	× and ÷ by 10, 100 and 1 000	M&D 5:17, FD&P 5:20	
	D	127	Kilometres	L 5:08	
	E	128	Street directories	P(D&C) 5:06	
	F	129	Working mathematically	WM 5:12, P&A 5:09, 5:03	(Questioning, Applying strategies, Communicating, Reasoning, Reflecting)
		50	Mentals 5:24	WM 5:74	Mentals exercises covering work from this and previous week(s)
Week 25	A	130	Checking: inverse operations	A&S 5:15	
	B	131	Division: 0 in the answer	M&D 5:18	
	C	132	Line graphs	S(D) 5:08	
	D	133	Identifying triangles	2DS 5:14	
		52	Mentals 5:25	WM 5:75	Mentals exercises covering work from this and previous week(s)
Week 26	A	134	Addition/subtraction of fractions	FD&P 5:15	
	B	135	Problem solving	A&S 5:17	
	C	136	Area of triangles	A 5:06	
	D	137	Thousandths in measurement	L 5:08, V&C 5:08	
	E	138	Mass	M 5:03	
	F	139	Working mathematically	WM 5:13	(Questioning, Applying strategies, Communicating, Reasoning, Reflecting)
		54	Mentals 5:26	WM 5:76	Mentals exercises covering work from this and previous week(s)
Week 27	A	140	Dividing multiples of ten	M&D 5:19	
	B	141	Taking time	T 5:06	
	C	142	Measuring angles	2DS 5:15	
	D	143	Constructing obtuse angles	2DS 5:16	
		56	Mentals 5:27	WM 5:77	Mentals exercises covering work from this and previous week(s)
Week 28	A	144	6-digit numbers	WN 5:12	
	B	145	Multiplying 3-digit numbers	M&D 5:20	
	C	146	Drawing line graphs	S(D) 5:09	
	D	147	Measuring devices	L 5:09	
	E	148	The tonne	M 5:04	
	F	149	Working mathematically	WM 5:14	Questioning, Applying strategies, Communicating, Reasoning, Reflecting
		58	Mentals 5:28	WM 5:78	Mentals exercises covering work from this and previous week(s)
			Term Test 3	Tests and answers 5:07	See Teacher Resouce Book

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Week 29	A	150	Dividing 3-digit numbers	M&D 5:21					▼	●											
	B	151	Dividing 3-digit numbers	M&D 5:22					▼	●											
	C	152	Parts of a circle	2DS 5:17																■	
	D	153	Using scale on maps	P(D&C) 5:07																	▼
		60	Mentals 5:29	WM 5:79	Mentals exercises covering work from this and previous week(s)																
Week 30	A	154	Dividing 3-digit numbers	M&D 5:23					▼	●											
	B	155	Finding percentages	FD&P 5:15, 5:16						●											
	C	156	Millilitres and cubic centimetres	V&C 5:09												●					
	D	157	Kilograms and tonnes	M 5:05													■				
	E	158	Enlargments and reductions	2DS 5:18																■	
	F	159	Working mathematically	WM 5:15, P&A 5:09	Questioning, Applying strategies, Communicating, Reasoning, Reflecting																
		62	Mentals 5:30	WM 5:80	Mentals exercises covering work from this and previous week(s)																
Week 31	A	160	6-digit numbers	WN 5:13	●																
	B	161	Addition and subtraction	A&S 5:16		■	■														
	C	162	Volume of irregular solids	V&C 5:10												●					
	D	163	24-hour time	T 5:07														▼			
		64	Mentals 5:31	WM 5:81	Mentals exercises covering work from this and previous week(s)																
Week 32	A	164	Addition with mixed numbers	FD&P 5:17						●											
	B	165	Subtraction with mixed numbers	M&D 5:24E, FD&P 5:18						●											
	C	166	The square kilometre	A 5:07											▼						
	D	167	Calculating area	A 5:08											▼						
	E	168	Time zones in Australia	T 5:08														▼			
	F	169	Working mathematically	WM 5:18, P&A 5:04	Questioning, Applying strategies, Communicating, Reasoning, Reflecting																
		66	Mentals 5:32	WM 5:82	Mentals exercises covering work from this and previous week(s)																
			Term Test 4	Tests and answers 5:08	See Teacher Resouce Book																
Week 33	A	170	Numbers to 6-digits	WN 5:14, P&A 5:05	●							▼									
	B	171	Mixed operations and patterns	M&D 5:24, FD&P 5:06		■	■	▼	▼	●		▼									
	C	172	Ordering events	P(C) 5:04							■										
	D	173	Creating circles	2DS 5:19																■	
Week 34	A	174	Estimating division	M&D 5:25					▼												
	B	175	Perimeters	L 5:10										■							
	C	176	The shape of everyday objects	3DS 5:07															●		
	D	177	3D objects	3DS 5:08															●		
	E	178	Using the scale of a plan	P(D&C) 5:08																	▼
	F	179	Working mathematically	WM 5:17	Questioning, Applying strategies, Communicating, Reasoning, Reflecting																
Week 35	A	180	Speed tests: mixed operations	M&D 5:26, S(D) 5:10		■	■	▼	▼	●			●					▼			
	B	181	Shopping	FD&P 5:19		■	■	▼	▼	●											
	C	182	Perspective	3DS 5:09															●		
	D	183	Christmas shapes	2DS 5:20																■	▼
		184	Essential facts	Charts and mindmaps 5:06																	

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