Grade 4 – Textbook Answers

(CAPS Edition)
Revised for 2023

Content: **Page:**

This book was compiled and processed by E. Language in 2012 in collaboration with E.J. du Toit.

E-mail address: info@abcbooks.co.za

ISBN 978-1-919957-63-0

Chapter A1

Number Systems

Natural numbers, even numbers and uneven numbers:

WHOLE NUMBERS
0 ; 1 ; 2 ; 3 ; 4 ; 5 ; 6 ; 7 ; 8 ; 9 ; _ _ _
Even numbers: 2 ; 4 ; 6 ; 8 ; 10 ; . . . Divisible by 2 without a remainder. **Uneven numbers:** 1 ; 3 ; 5; 7 ; 9 ; 11 ; . . . If you divide by 2, there will be a remainder

Exercise 1: **Date:** _____

(1) **Complete the number patterns:**

(a) Numbers less than 10:

1	2	3	4	5	6	7	8	9

(b) Numbers ***between*** 45 and 55:

46	47	48	49	50	51	52	53	54

(c) The even numbers between 120 and 140:

122	124	126	128	130	132	134	136	138

(d) Uneven numbers from 3 to 23:

3	5	7	9	11	13	15	17	19	21	23

(e) Even numbers smaller than 40 but greater than 16:

18	20	22	24	26	28	30	32	34	36	38

(f) The even numbers between 340 and 360:

342	344	346	348	350	352	354	356	358

(g) The even numbers between 70 and 90:

72	74	76	78	80	82	84	86	88

(h) The first 12 uneven numbers:

1	3	5	7	9	11	13	15	17	19	21	23

(i) Start at 24 and count in two's up to 42:

24	26	28	30	32	34	36	38	40	42

(j) Start at 25 and count in fives up to 60:

25	30	35	40	45	50	55	60

(k) Start at 9 and count in three's up to 33:

9	12	15	18	21	24	27	30	33

(l)) Start at 20 and count in four's up to 60:

20	24	28	32	36	40	44	48	52	56	60

(m) Start at 6 and count in sixes up to 72:

6	12	18	24	30	36	42	48	54	60	66	72

Exercise 2: **Date:** _____

(1) **Complete the next 5 numbers in the sequences.**

(a) 1 ; 3 ; 5 ; 7 ; 9 ;

11	13	15	17	19

(b) 100 ; 95 ; 90 ; 85 ; 80 ;

75	70	65	60	55

(c) 60 ; 80 ; 100 ; 120 ;

140	160	180	200	220	240

(d) 50 ; 100; 150; 200 ; 250;

300	350	400	450	500

(e) 70 ; 100 ; 130 ;

160	190	210	240	270

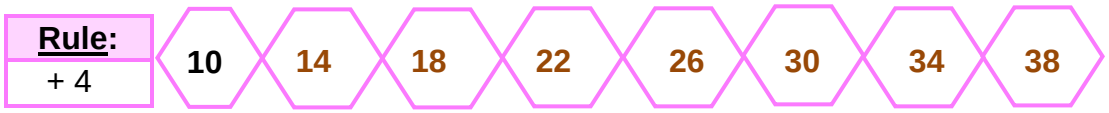
Every pattern has a rule:

EXAMPLE A:

EXAMPLE B:

(2) **Use the rules given and complete the number patterns:**

(a)



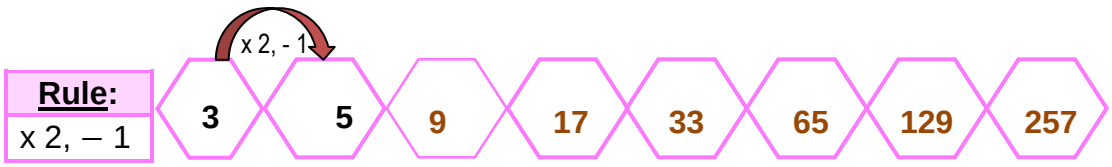
(b)

(c)

(d)

(e)

(f)

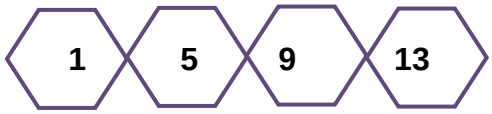


(3) **Write down the rule of the patterns in words.**

(a)

Multiples of 6

(b)



Add 4 to each number

Exercise 3: **Date:** _____

Use the number card to complete the following questions.

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	♠	130
131	132	133	134	135	136	137	138	139	140
141	142	143	♣	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	♥	179	180
181	182	♦	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	✱

(1) **What numbers must be in the place of the following signs?**

Clovers	Spades	Diamonds	Hearts	✱
♣	♠	♦	♥	
144	129	183	178	200

(2) **Encircle the numbers on the number card that is 20 times less than the numbers in question 1.**

(3) **Write down the numbers as requested as well as the rule in words.**

(a) The numbers in the first column.

101	111	121	131	141	151	161	171	181	191

Rule: Add 10 to each number

(b) The numbers in the fourth row.

131	132	133	134	135	136	137	138	139	140

Rule: Add 1 to each number

(c) 10 more than 166 is:	176	(d) 20 more than 146 is:	166
(e) 20 less than171 and add 5:	156	(f) 12 more than 141 is:	153
(g) 4 less than 122 and add 40:	158	(h) 160 + 10 – 5 is:	165
(i) 178 + 4 – 8 + 2 is:	176	(j) 132 + 20 – 2 is:	150

(4) **Indicate the sum that completes '10' and do the calculation from left to right.**

(a) 1 + 9 – 3 =	**10 – 3**	=	**7**	(b) 5 + 2 + 8 =	**5 + 10**	=	**15**
(c) 3 + 7 – 1 =	**10 – 1**	=	**9**	(d) 5 + 5 – 2 =	**10 - 2**	=	**8**
(e) 45 + 5 – 25 =	**50 – 25**	=	**25**	(f) 7 + 13 – 6 =	**20 - 6**	=	**14**
(g) 46 + 14– 30 =	**60 – 30**	=	**30**	(h) 12 +18 – 4 =	**30 – 4**	=	**26**
(i) 73 + 27 – 35 =	**100 – 35**	=	**65**	(j) 132 + 18 – 10 =	**150 – 10**	=	**140**
(k) 124 + 56 + 15 =	**180 + 15**	=	**195**	(l) 120 – 54 + 6 =	**120 – 60**	=	**60**
(m)115 + 5 + 60 =	**120 + 60**	=	**180**	(n) 346 + 4 + 25 =	**350 + 25**	=	**375**
*(o) 132 + 6 + 8 =	**140 + 6**	=	**146**	*(p) 458 + 150 + 2 =	**460 + 150**	=	**610**
*(q) 241 + 25 + 19 =	**260 + 25**	=	**285**	*(r) 118 + 12 + ___ =	**130 + 370**	=	500

(5) **Write the missing numbers as well as the rule on the right-hand side.**

						Rule:
(a)	75	100	125	150	175	+ 25
(b)	1 000	950	900	850	800	- **50**
(c)	70	85	100	115	130	**+ 15**
(d)	15	30	45	60	75	**+ 15**
(e)	111	121	131	141	151	**+ 10**
(f)	75	150	225	300	375	**+ 75**

Chapter A2

Place Value

A.2.1 Place value and number value:

This table represents the first 4 places left from the comma.

Th	H	T	O
			1
		1	0
	1	0	0
1	0	0	0
THOUSANDS COLUMN	HUNDREDS COLUMN		

Remember:
It is always wise to have a gap between the hundreds and the thousands.

e.g. Six thousand four hundred and eleven = 6 411

Exercise 1: **Date:** _____

(1) **Read the numbers out loud and write them in words.**

(a) 687	(b) 704	(c) 1 527	(d) 3 603	(e) 3 005	(f) 1 215

(a) **Six hundred and eighty seven**

(b) **Seven hundred and four**

(c) **One thousand five hundred and twenty seven**

(d) **Three thousand six hundred and three**

(e) **Three thousand and five**

(f) **One thousand two hundred and fifteen**

(2) **Write down the following in numbers:**

a) Two thousand one hundred and fifteen — **2 115**

b) Seven thousand nine hundred and twenty-four — **7 924**

c) Nine thousand eight hundred and fourty one — **9 841**

d) Seven thousand seven hundred and eighty-seven — **7 787**

e) * Twenty-three thousand eight hundred and ninety-nine — **23 899**

f) * Fourteen thousand eight hundred and six — **14 806**

g) * Twelve thousand six hundred and thirty-eight — **12 638**

(3) **Complete the following:**

(a) **Each 'X' represents 1 unit.**

(i)

Th	H	T	O
X	X		
X	X		X
X	X		X
3	4	0	2

(ii)

Th	H	T	O
X			
X			
X	X	X	
X	X	X	
4	2	2	0

(iii)

T Th	Th	H	T	O
		X		
		X		X
		X	X	X
X		X	X	X
X	X	X	X	X
2	1	5	3	4

(iv)

T Th	Th	H	T	O
X				
X	X			
X	X			X
3	2	0	0	1

(b) **Draw and 'X' to represent the number written down, if each 'X' represents 2 units.**

(i)

Th	H	T	O
X	X	X	X
X	X	X	
	X		
4	8	6	2

(ii)

Th	H	T	O
X			
X	X	X	
	X	X	
4	4	6	0

(iii)

T Th	Th	H	T	O
X	X	X		X
	X			X
	X			
2	6	4	0	6

(iv)

T Th	Th	H	T	O
X	X	X	X	
X	X		X	
	X			
4	6	2	4	0

Exercise 2: **Date:** _____

(1) **Write in expanded notation**: e.g. 34 189 = 30 000 + 4 000 + 100 + 80 + 9

(a) 2 121 = 2 000 + 100 + 20 + 1

(b) 4 021 = 4 000 + 20 + 1

(c) 6 802 = 6 000 + 800 + 2

* (d) 17 512 = 10 000 + 7 000 + 500 + 10 + 2

* (e) 19 009 = 10 000 + 9 000 + 9

* (f) 23 114 = 20 000 + 3 000 + 100 + 10 + 4

REMEMBER:

1T = 1 x 10	1H = 1 x 100	1Th = 1 x 1 000	1T Th = 1 x 10 000

(2) **Fill in the missing numbers:**

(a) 2 178 = (2 x 1 000) + (1 x 100) + (7 x 10) + (8 x 1)

(b) 3 510 = (3 x 1 000) + (5 x 100) + (1 x 10)

(c) 27 600 = (2 x 10 000) + (7 x 1 000) + (6 x 100)

*(d) 11 780 = (1 x 10 000) + (1 x 1 000) + (78 x 10)

*(e) 16 004 = (1 x 10 000) + (6 x 1 000) + (4 x 1)

(3) **Complete the more advanced sums.**

(a) 3 178 = (3 x 1 000) + (17 x 10) + (8 x 1)

(b) 6 560 = (6 x 1 000) + (56 x 10)

(c) 5 678 = (56 x 100) + (78 x 1)

(d) 7 780 = (7 x 1 000) + (7 x 1 00) + (8 x 10)

(e) 2 346 = (2 x 1 000) + (34 x 10) + (6 x 1)

(f) 7 400 = (74 x 100)

(g) 5 721 = (57 x 100) + (21 x 1)

(h) 4 500 = (45 x 100)

(i) 6 940 = (69 x 100) + (4 x 10)

(j) 12 352 = (12 x 1 000) + (352 x 1)

Exercise 3: **Date:** _____

(1) **Do more place values recognition.**

(a) **Write down the following numbers:**

(i)	8 ones =	8	(ii)	4 tens =	40
(iii)	12 tens =	120	(iv)	7 thousand =	7 000
(v)	16 hundred =	1 600	(vi)	4 thousand =	4 000
*(vii)	72 tens =	720	*(viii)	10 hundred =	1 000
*(ix)	24 thousand =	24 000	*(x)	163 tens =	1 630
*(xi)	170 tens =	1 700	*(xii)	211 tens =	2 110
*(xiii)	1400 ones =	1 400	*(xiv)	12 thousand =	12 000

(b) **Write down the correct numbers.**
Use draft paper if necessary.

(i)	10 T + 5 O =	105	(ii)	7 Th + 8 H + 12 O =	7 812
(iii)	23 O + 13 H =	1 323	(iv)	13 H + 8 T + 2 O =	1 382
(v)	13 H + 12 T =	1 420	(vi)	12 T + 8 O + 4 Th =	4 128
(vii)	2 Th + 23 T =	2 230	(viii)	13 T + 1 H + 2 O =	232
(ix)	6 H + 4 H + 2T =	1 020	(x)	6 Th + 3 H + 5 T + 6 O =	6 356
(xi)	45 Th + 23 T =	45 230	(xii)	3 H + 3 T + 14 O =	344

*(xiii) 13 H + 7 Th + 5 T + 2 O

= 1 300 + 7 000 + 50 + 2

= 8 352

*(xiv) 36 T + 7 H + 14 Th + 12 O

= 360 + 700 + 14 000 + 12

= 15 072

*(xv) 7 Th + 120 H + 12 O + 6 H

= 7 000 + 12 000 + 12 + 600

= 19 612

*(xvi) 3 Th + 15 T + 4 H + 23 Th

= 3 000 + 150 + 400 + 23 000

= 26 550

(2) **Write the place value and the number value of the underlined digits.**

	NUMBER	PLACE VALUE	NUMBER VALUE	NUMBER VALUE IN EXPANDED NOTATION
(a)	**2** 678	2 Th	2 000	2 x 1 000
(b)	47 **12**1	12 T	120	12 x 10
(c)	**1** 567	**1 Th**	**1 000**	**1 x 1000**
(d)	**7** 682	**7 Th**	**7 000**	**7 x 1 000**
(e)	4 8**79**	**79 O**	**79**	**79 x 1**
(f)	7 **61**4	**61 T**	**610**	**61 x 10**
(g)	**1 8**70	**18 H**	**1 800**	**18 x 100**
*(h)	**40** 765	**40 Th**	**40 000**	**40 x 1 000**
*(i)	**15** 982	**15 Th**	**15 000**	**15 x 1 000**
*(j)	**34 58**0	**3458 T**	**34 580**	**3458 x 10**

There are various options.

(3) **Write down the following numbers:**

(a) 2 Th +1 H + 3 T + 6 O = **2 136**

(b) 4 Th + 6 H + 13 O = **4 613**

(c) 11 O + 16 H + 23 Th = **24 611**

(d) *2 H + 2 Th + 5 O + 1 T Th = **12 205**

(e) *2 Th + 24 H + 3 H + 6 O= **4 706**

(f) *124 O + 2 Th + 6 T Th = **62 124**

(4) **More advanced sums:**

EXAMPLE: 7 837 = 78 H + 2T + 17 O

(a) 3 578 = 35 H + **7** T + 8 O

(b) 4 678 = 4 Th + **6** H + **78** O

(c) 5 718 = 3 Th + **27** H + 18 O

(d) 1 316 = 13 H + 2 O + **14** O

(e) 4 789 = 2 Th + **27** H + 5 T + **39** O

(f) *21 418 = **214** H + **18** O

Exercise 4: **Date:** _____

(1) **Write down the answer:**

(a)	3 x 1 T =	30	(b)	4 x 10 =	40
(c)	6 x 1 H =	600	(d)	15 x 10 =	150
(e)	1 x 1 Th=	1 000	(f)	14 x 10 =	140
(g)	18 x 100 =	1 800	(h)	3 x 1 000 =	3 000
(i)	12 x 1 Th =	12 000	(j)	13 x 100 =	1 300
(k)	10 x 1 H =	1 000	(l)	10 x 10 x 10 =	1 000
(m)	100 x 10 =	1 000	(n)	3 x 1 T x 1 T =	300
(o)	70 x 100 =	7 000	(p)	23 x 10 x 10 =	2 300
(q)	3 x 2 x 10 x 10 =	600	(r)	2 x 2 x 100 =	400
*(s)	20 x 2 x 100 =	4 000	*(t)	40 x 4 x 10 =	1 600

EXAMPLE:

60	can also be written as	6 x 10	or	6 x 1 x 10
6 000		6 x 10 x 10 x 10		6 x 100 x 10
THEREFORE: 6 000 = 60 H **OR** 600 T				

(2) **Write each of the following numbers in 2 different ways.**

There are various options.

(a)	400	=	4 H	= 40 T
(b)	2 100	=	21 H	= 2 100 O
(c)	40 000	=	40 Th	= 400 H
(d)	1 120	=	112 T	= 1 120 O
(e)	*21 600	=	216 H	= 2 160 T

(3) **Fill in < ; > or =:**

(a)	2 x 10 (20)	=	2 T (20)	(b)	300 (300)	=	1 H + 20 T (300)
(c)	12 T (120)	<	2 H (200)	(d)	6 Th (6 000)	>	3 Th + 30 O (3 030)
(e)	10 x 200 (2 000)	=	20 H (2 000)	(f)	10 X 10 X 10 (1 000)	=	10 H (1 000)

(g)	50	<	5 x 10 x 10	(h)	1 500	>	15
(i)	4Th + 12H	=	5 200	(j)	10 H	=	1 000
(k)	2 Th + 18 H	=	4 Th – 2 H	(l)	2 X 10 T	=	20 T
(m)	12 Th	=	120 H	*(n)	7 Th x 0	<	7 000
(o)	4 000	>	40 x 10	(p)	5 Th	>	10 x 10 x 5
(q)	1 000	>	10 H – 10	(r)	15 H	=	15 x 100
(s)	3 567	<	3 765	(t)	3 698	<	3 986

(4) **Complete:**

(a) **Add '1' to each of the following numbers**:

+1	9	19	899	999	1 999	9 999	19 999
	10	**20**	**900**	**1 000**	**2 000**	**10 000**	**20 000**

(b) **Add '10' to each of the following numbers:**

+10	9	99	999	1 099	1 999	*9 999
	19	**109**	**1 009**	**1 109**	**2 009**	**10 009**

(c) **Add '100' to each of the following numbers:**

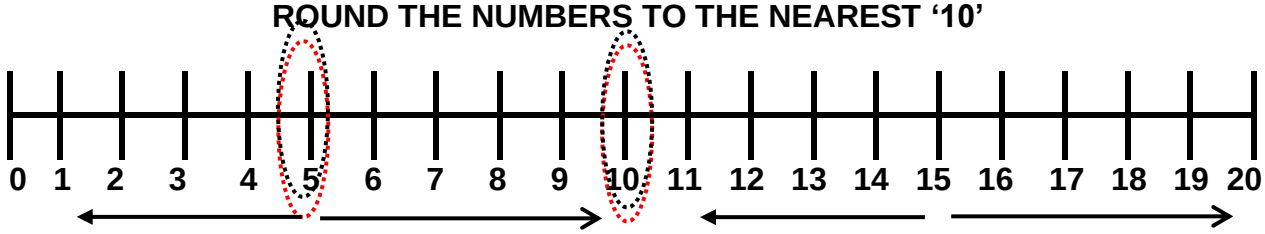
+100	9	99	999	1 999	*9 999	*19 999
	109	**199**	**1099**	**2 099**	**10 099**	**20 099**

Study the following:

1 000 =	10 x 10 x 10	of	100 x 10		
10 000 =	10 x 10 x 10 x 10	of	100 x 100	of	1 000 x 10

A.2.2 ROUNDING:

ROUND THE NUMBERS TO THE NEAREST '10'



Exercise 5: **Date:** _____

(1) **Round to the nearest '10'.**

(a)	61	≈	60	(b)	59	≈	60	(c)	209	≈	210
(d)	132	≈	130	(e)	618	≈	620	(f)	499	≈	500
(g)	1 453	≈	1 450	(h)	1 271	≈	1 270	(i)	1 999	≈	2 000
(j)	7 677	≈	7 680	(k)	9 309	≈	9 310	(l)	4 989	≈	4 990
(m)	9 401	≈	9 400	*(n)	15 467	≈	15 470	(o)	6 044	≈	6 040

(2) **Round the numbers to the nearest 10 and give an estimated answer.**

EXAMPLE: 121 + 212 + 142 ≈ 120 + 210 + 140 ≈ **470**

(a)	121 + 71	≈	120 + 70	(b)	137 + 129	≈	140 + 130
		≈	190			≈	270
(c)	453 + 218	≈	450 + 220	(d)	875+ 452	≈	880 +450
		≈	670			≈	1 330
(e)	567 + 41	≈	570 + 40	(f)	347 + 152	≈	350 + 150
		≈	610			≈	500
(g)	455 + 46	≈	460 + 50	(h)	124 + 167	≈	120 + 170
		≈	510			≈	290
(i)	555 + 999	≈	560 + 1 000	(j)	672 + 331	≈	670 + 330
		≈	1 560			≈	1 000
(k)	5 654 + 124	≈	5 650 + 120	(l)	11 201 + 125	≈	11 200 + 130
		≈	5 770			≈	11 330
(m)	7 812 + 145	≈	7 810 + 150	(n)	156 + 156	≈	160 + 160
		≈	7 960			≈	320

EXAMPLE: Round the numbers to the nearest 100:

HTh	TTh	Th	H	T	O
		8	9	5	6

Exercise 6: **Date:** _____

Round to the nearest '10', '100' of '1 000'

(1) **Round the numbers to the nearest digit as indicated in brackets.**

(a) 161 (10) ≈ 160

(b) 7 899 (10) ≈ 7 900

(c) 1 389 (100) ≈ 1 400

(d) 9 954 (100) ≈ 10 000

(e) 8 233 (1 000) ≈ 8 000

(f) 5 078 (1 000) ≈ 5 000

(g) 4 589(10) ≈ 4 590

(h) 1 472(1 000) ≈ 1 000

(2) **Complete the table. Round the numbers as indicated**:

	NUMBER	Nearest 10	Nearest 100	Nearest 1 000
(a)	156	160	200	0
(b)	2 438	2 440	2 400	2 000
(c)	3 454	3 450	3 500	3 000
(d)	9 451	9 450	9 500	9 000
(e)	1 111	1 110	1 100	1 000
(f)	4 736	4 740	4 700	5 000
(g)	2 579	2 580	2 600	3 000
(h)	2 318	2 320	2 300	2 000
*(i)	43 102	43 100	43 100	43 000
*(j)	16 883	16 880	16 900	17 000
*(k)	23 405	23 410	23 400	23 000
*(l)	19 999	20 000	20 000	20 000

A2.3 REVISION EXERCISE

Date: _____

(1) **Use a colour pencil and colour the following numbers.** **(6)**

(a) **All the even numbers.**

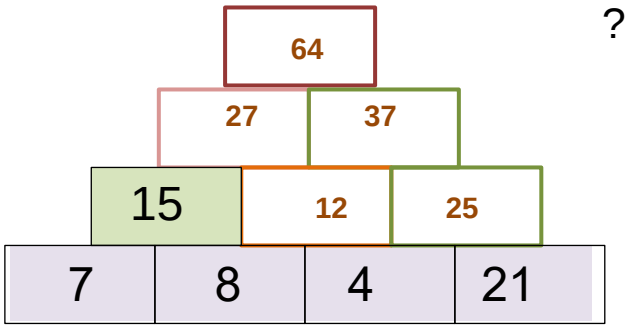
. ($\frac{1}{2}$ mark each)

2	**9**	**4**	**45**	**488**	**3 670**	**132 568**	**3 400**	**1 455**	**4 015**

(a) **All the uneven numbers.**

5	**4**	**1**	**50**	**3**	**4 562**	**2 341**	**2 000**	**3 005**	**23 451**	**32**

(2) **Complete the blocks**. Which number will be in the place of the '?' **(½ each) (5)**



? = **64**

(3) **What number is suggested?** **(5)**

(a) 2 H + 3 Th + 6 T + 7 O = 200 + 3 000 + 60 + 7 = 3 267

(b) 8 T + 3 H + 7 Th + 5 O + 2 O = **7 000 + 300 + 80 +7** = **7 387**

(c) 1 Th + 6 H +2 T + 5 O + 7 O = **1 000 + 6000 + 20 + 12** = **1 632**

*(d) 120 O+ 6 H +12 T + 9 O = **600 + 1 200 + 120 + 9** = **849**

*(e) 12 T + 12 H +12 O = **120 + 1 200 + 12** = **1 332**

(4) **Round the numbers as requested.** **(4)**

(a) 2 367 (100) ≈ **2 400**

(b) 12 789 (10) ≈ **12 790**

(c) 4 738 (100) ≈ **4 700**

(d) 999 (1000) ≈ **1 000**

(5) **Complete the number patterns**: **(4)**

(1 mark for each correct row)

(a)	25	50	**75**	**100**	**125**	**150**	**175**	**200**	**225**
(b)	15	**30**	45	60	**75**	**90**	**105**	**120**	**135**
(c)	45	90	135	**180**	**225**	**270**	**315**	**360**	**405**
(d)	345	355	**365**	**375**	**385**	**395**	**405**	**415**	**425**

(6) **Study the number and colour the correct block.** **5 789** **(5)**

		TRUE	FALSE
(a)	This number can also be written as: 5 Th + 78 T + 0 O		
(b)	There are 57 H + 89 O		
(c)	The number is an even number		
(d)	There are 578 T		
(e)	The number can also be written as (578 x 100) + (8 x 10) + 9		

(7) **Round the numbers as indicated.** **(4)**

(a) 237 (10) ≈ 240

(b) 3 856 (1 000) ≈ 4 000

(c) 3 192 (100) ≈ 3 200

(d) 9 999 (100) ≈ 10 000

(8) **Write down the answer.** **(10)**

(a) 490 +20 = 510

(b) 990 + 10 = 1 000

(c) 10 x 10 T = 1 000

(d) 1 990 + 10 = 2 000

(e) 3 x 100 = 300

(f) 465 x 10 = 4 650

(g) 6 x 10 x 10 = 600

(h) 20 x 10 x 10 = 2 000

(i) 13 x 10 T = 1 300

(j) 80 + (1 x 100) = 180

(9) **Fill in < ; > or =:** **(20)**

(a)	4 000 + 700 + 40 + 1	>	4 471	(b)	1 200	=	12 H
(c)	2 000 + 400 + 16	=	2 416	(d)	6 H + 4 H	=	1 000
(e)	12 Th + 3 H + 60	=	12 360	(f)	2 H + 7 T	=	27 T
(g)	3 H + 4 H + 7 T	<	7 007	(h)	12 T + 10 T	<	2 200
(i)	24 x 100	<	24 400	(j)	2 Th + 12 H	=	3 200
(k)	60 000	<	60 x 60 x 60	(l)	12 H + 12 H	=	2 400
(m)	14 H	>	140	(n)	2 x 10 T	<	2 000
(0)	(3 x 1000)	=	10 X 10 X 10 X 3	(p)	2 x 50 T	=	1 000
(q)	27 T – 12 O	<	272 O	(r)	2 x 5 T	=	100
(s)	9 Th + 240 T	=	12 000 - 600	(t)	10 x 10 T	=	1 000

(9) What is the diffirece between the 3 in 3 654 and the 3 in 1 438? 3 000 – 30 = 2 970 (2)

(10) What is half of the '7' in the number 4 754? 700 ÷ 2 = 350 (1)

(11) How many 'tens' should be added to 35 789 to get an answer of 35 919? (2)

35 9191 – 35 789 = 130 that is 13 tens

(12) How many 'ten' should be subtracted from 10 000 to get an answer of 8500? (2)

10 000 – 8 500 = 1 500 that is 150 tens

Total out of 70

(2) (a) 1 362 + 1 263 =

1 000 + 300 + 60 + 2

1 000 + 200 + 60 + 3

2 000 + 500 + 120 + 5 → 2 625

(b) 2 674 + 3 451 =

2 000 + 600 + 70 + 4

3 000 + 400 + 50 + 1

5 000 + 1 000 + 120 + 5 → 6 125

(c) 1 562 + 2 083 =

1 000 + 500 + 60 + 2

2 000 + 0 + 80 + 3

3 000 + 500 + 140 + 5 → 3 645

(d) 3 456 + 6 666 =

3 000 + 400 + 50 + 6

6 000 + 600 + 60 + 6

9 000 + 1 000 + 110 + 12 → 10 122

(e) 5 392 + 599 =

5 000 + 300 + 90 + 2

500 + 90 + 9

5 000 + 800 + 180 + 11 → 5 991

(f) 5 789 + 3 567 =

5 000 + 700 + 80 + 9

3 000 + 500 + 60 + 7

8 000 + 1 200 + 140 + 16 → 9 356

Chapter A3

Basic operations

A3.1 ADDITION:

METHOD 1 USE EXPANDED NOTATION TO DO THE FOLLOWING.
1 346 + 2 567 = 1 346 = 1 000 + 300 + 40 + 6 2 567 = 2 000 + 500 + 60 + 7 3 000 + 800 + 100 + 13 = 3 000 + 900 + 0 + 13 = 3 913

Exercise 1: **Date:** _____

(1) **Use method 1 to do the following sums.**

(a) 1 465 + 1 123 =

1 465 = **1 000 + 400 + 60 + 5**

+ 1 123 = **1 000 + 100 + 20 + 3**

2 000 + 500 + 80 + 8 = **2 588**

(b) 3 698 + 1 352 =

3 698 = **3 000 + 600 + 90 + 8**

+ 1 352 = **1 000 + 300 + 50 + 2**

4 000 + 900 + 140 + 10 = **5 050**

=

(c) 6 467 + 7 484 =

6 467 = **6 000 + 400 + 60 + 7**

+ 7 484 = **7 000 + 400 + 80 + 4**

13 000 + 800 + 140 + 11 = **13 951**

=

(2) **Use the page on the left-hand side to do the sums.(Use any method)**

(a)	1 362 + 1 263 =	(b)	2 674 + 3 451 =	(c)	1 562 + 2 083 =
(d)	3 456 + 6 666 =	(e)	5 392 + 599 =	(f)	5 789 + 3 567 =

METHOD 2 USE THE 'ADD ON' METHOD TO DO THE FOLLOWING SUMS.
564 + 423 = 564 + 400 → 964 + 20 → 984 + 3 → 987

Exercise 2: **Date:** _____

(1) **Use the 'add on' method to complete the following:**

(a) **738 + 241 =**

738 + 200 → **938** + 40 → **978** + 1 → **979**

(b) **426 + 155 =**

426 + 100 → **526** + 50 → **576** + 5 → **581**

(c) **679 + 249 =**

679 + 200 → **879** + 40 → **919** + 9 → **928**

(d) **1 468 + 2 288 =**

1 468 + 2 000 → **3 468** + 200 → **3 668** + 80 → **3 748** + 8 → **3 756**

(2) **Use the 'add on' method to calculate how many points each school obtained.**

(a)  75 + 20 → **95** + 6 → **101** + 12 → **113**

(b)  134 + 70 → **204** + 20 → **224** + 15 → **239**

(c)  756 + 20 → **776** + 30 → **806** + 14 → **820**

(d)  418 + 12 → **430** + 40 → **470** + 25 → **495**

(e)  644 + 16 → **660** + 20 → **680** + 50 → **730**

(f)  737 + 23 → **760** + 60 → **820** + 25 → **845**