Mathletics

Numbers

Series C – Numbers

Contents

Series Author:

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Series C – Numbers

Page 1

1

15 → fifteen
19 → seventeen
12 → nineteen
17 → twelve
14 → fourteen

2a thirteen

b eleven

c eighteen

d fourteen

e sixteen

f fifteen

Page 2

1

ten	ten	10
twenty	twenty	20
thirty	thirty	30
forty	forty	40
fifty	fifty	50
sixty	sixty	60
seventy	seventy	70
eighty	eighty	80
ninety	ninety	90
one hundred	one hundred	100

Page 3

1

45 → forty-five
29 → seventy-eight
61 → sixty-one
78 → thirty-three
33 → twenty-nine

2a forty-two

b twenty-five

c thirty-six

d thirty-nine

e fifty-one

f eighty-two

Page 4

1 Observe students.

2a

| 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

b

| 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |

c

| 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

d

| 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 |

Page 5

1a

| 21 |
| 22 |
| 23 |
| 24 |
| 25 |
| 26 |
| 27 |

b

| 56 |
| 57 |
| 58 |
| 59 |
| 60 |
| 61 |
| 62 |

c

| 79 |
| 80 |
| 81 |
| 82 |
| 83 |
| 84 |
| 85 |

2a

| 38 |
| 37 |
| 36 |
| 35 |
| 34 |
| 33 |
| 32 |

b

| 50 |
| 49 |
| 48 |
| 47 |
| 46 |
| 45 |
| 44 |

c

| 82 |
| 81 |
| 80 |
| 79 |
| 78 |
| 77 |
| 76 |

Page 6

1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Page 7

What to do:

Observe students.

What to do next:

Observe students.

Page 8

1a

| 1 | 2 | 3 |
| 11 | 12 | |

b

31	32	33
41		
51	52	

c

54	55	56
	65	
	75	

d

51	52	53	54	55
61	62	63	64	
71	72	73		
81	82			
91				

e

46	47	48	49		
56	57	58	59		
	67	68	69	70	
		78	79	80	
		88	89	90	

f

		15	16						
	23	24	25	26	27	28			
31	32	33	34	35	36	37	38	39	40

Page 9

1a 16

b 39

2a 10

b 15

c 21

d 55

e 95

f 93

Series C – Numbers

Page 9

2g (21)

h (64)

i (52)

3a (3)

b (11)

c (5)

d (25)

e (84)

f (85)

g (21)

h (26)

i (13)

Page 10

What to do:
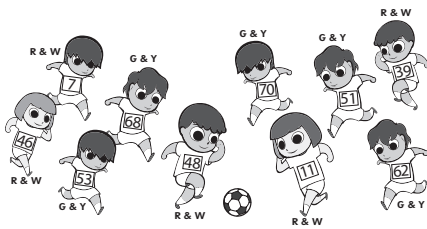
What to do next:

Team More	Team Less
51	7
53	11
62	39
68	46
70	48

Page 11

1b 11 **<** 15

c 21 **>** 7

d 55 **>** 45

e 67 **<** 95

f 76 **>** 67

g 11 **<** 23

h 46 **<** 58

i 65 **>** 14

j 27 **<** 36

2a–c Answers will vary.

Page 12

1a smallest (15) (28) (34) largest

b smallest (49) (67) (72) largest

c smallest (14) (54) (93) largest

Page 13

1
| 19 | 20 | 21 | | 27 | 28 | 29 | | 35 | 36 | 37 |

22 26 30 34

23 24 25 31 32 33

81 80 79 73 72 71

82 78 74 70

85 84 83 77 76 75 69 68 67

2a 23

b 72

c 25

d 33

Page 14

1a 33

b 72

c 43

d 84

e 15, 25, 35, 45, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 65, 75, 85, 95

Page 15

1

1. 5			2. 9	3. 8	
4. 6	5. 8		6. 4	7. 9	
8. 1	7		9. 1	8	
10. 7		11. 3			
12. 3	0	13. 6	5		

Page 16

1a 25   52   72
       27   57   75

b 19   91   41
      14   94   49

2a 38   82   23
       32   83   28
       23, 28, 32, 38, 82, 83

b 61   16   71
      67   17   76
      16, 17, 61, 67, 71, 76

Page 17

1a 13 = [1] tens + [3] ones

13 = [10] + [3]

b 34 = [3] tens + [4] ones

34 = [30] + [4]

c 89 = [8] tens + [9] ones

89 = [80] + [9]

Series C – Numbers

Page 18

1a 23

b 48

c 34

d 51

e 89

f 77

Page 19

1a

b

c

d

e

f

Page 20

1a

b

c

1d

e

f

Page 21

1a 23 = 20 + 3

b 34 = 30 + 4

c 56 = 50 + 6

d 40 = 40 + 0

e 89 = 80 + 9

Page 22

1a 25 = 20 + 5

b 31 = 30 + 1

1c 46 = 40 + 6

d 37 = 30 + 7

e 28 = 20 + 8

f 43 = 40 + 3

g 78 = 70 + 8

Page 23

1a 2 | 7

b 1 | 6

c 4 | 4

d 9 | 3

e 7 | 8

f 5 | 1

Page 24

1a 2 0 + 3 = 2 3

b 8 0 + 6 = 8 6

c 3 0 + 5 = 3 5

Series C – Numbers

1d $\boxed{7\ 0} + \boxed{2} = \boxed{7\ 2}$

e $\boxed{9\ 0} + \boxed{4} = \boxed{9\ 4}$

f $\boxed{6\ 0} + \boxed{1} = \boxed{6\ 1}$

g $\boxed{4\ 0} + \boxed{8} = \boxed{4\ 8}$

h $\boxed{5\ 0} + \boxed{7} = \boxed{5\ 7}$

i $\boxed{1\ 0} + \boxed{9} = \boxed{1\ 9}$

Page 25

1 4, 14, 24, 34, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 54, 64, 74, 84, 94

2
20	30	40
21	31	41
	32	42
		43

3 7, 17, 27, 37, 47, 57, 67, 70, 71, 72, 73, 74, 75, 76, 78, 79, 87, 97

4a 61   16

 b 37   73

Page 26

What to do:

four hundred and ninety-six	496
three hundred and twenty-three	323
seven hundred and seven	707
five hundred and thirty-five	535
seven hundred and seventy	770
two hundred	200
eight hundred and seven	807
six hundred and ninety-eight	698
six hundred and eighty-nine	689

Page 27

1
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**	129	**130**
131	**132**	**133**	**134**	135	**136**	**137**	138	**139**	**140**
141	142	**143**	**144**	**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	**178**	**179**	180
181	182	**183**	**184**	185	**186**	**187**	**188**	**189**	**190**
191	**192**	**193**	194	**195**	**196**	**197**	198	**199**	**200**

2 Answers will vary.

3
201	202	203

Page 28

1a
111	112	**113**
121	**122**	

b
121	**122**	**123**
131		
141	**142**	

c
163	**164**	**165**
	174	
	184	

d
128	**129**	**130**
	139	**140**

e
151	**152**	**153**
161		**163**

f
	182	
191	**192**	**193**

2a
212	213	**214**
	223	
	233	

2b
325	**326**	**327**
335	**336**	

c
506	507	508
516		**518**

Page 29

1

2
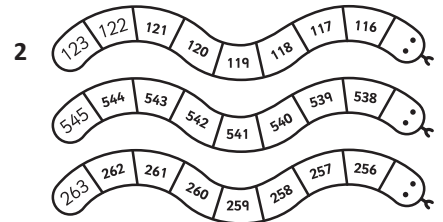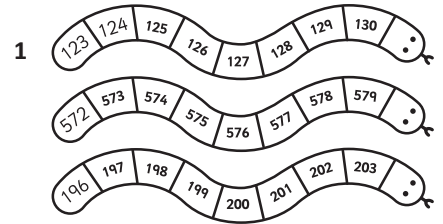
Page 30

1a Teacher check.

 b Answers will vary.

Page 31

What to do:

389, 388, 387, 386, 385, 384, 382, 381, 380, 379, 378, 377, 376, 375, 374, 373
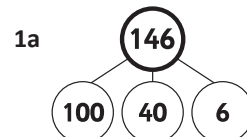
373

What to do next:

343

Page 32

1a 3, 4, 5, 6, 7, 8, 9

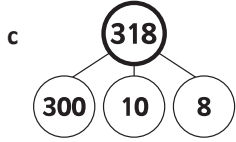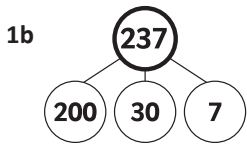 **b** 30, 40, 50, 60, 70, 80, 90

 c 300, 400, 500, 600, 700, 800, 900

2 Answers will vary.

Page 33

1a

Series C – Numbers

Page 33

1b

c

Page 34

1a 316

b 175

c 421

d 223

e 518

f 429

Page 35
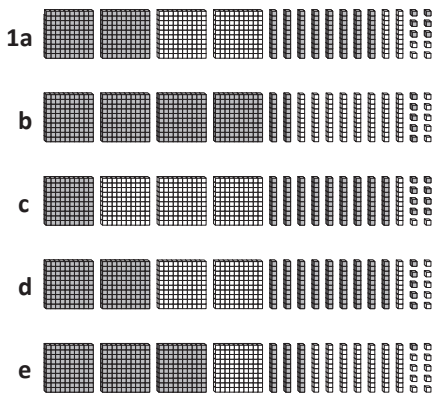
Page 36

What to do:

Teacher check.

Page 37

1a $\boxed{1\ 0\ 0}$ + $\boxed{1\ 0}$ + $\boxed{5}$ = $\boxed{1\ 1\ 5}$

b $\boxed{3\ 0\ 0}$ + $\boxed{4\ 0}$ + $\boxed{2}$ = $\boxed{3\ 4\ 2}$

c $\boxed{1\ 0\ 0}$ + $\boxed{2\ 0}$ + $\boxed{5}$ = $\boxed{1\ 2\ 5}$

d $\boxed{2\ 0\ 0}$ + $\boxed{3\ 0}$ + $\boxed{4}$ = $\boxed{2\ 3\ 4}$

e $\boxed{1\ 0\ 0}$ + $\boxed{2\ 0}$ + $\boxed{9}$ = $\boxed{1\ 2\ 9}$

Page 38

1a $\boxed{3\ 0\ 0}$ + $\boxed{4\ 0}$ + $\boxed{9}$ = $\boxed{3\ 4\ 9}$

b $\boxed{5\ 0\ 0}$ + $\boxed{1\ 0}$ + $\boxed{0}$ = $\boxed{5\ 1\ 0}$

c $\boxed{7\ 0\ 0}$ + $\boxed{2\ 0}$ + $\boxed{4}$ = $\boxed{7\ 2\ 4}$

d $\boxed{1\ 0\ 0}$ + $\boxed{6\ 0}$ + $\boxed{5}$ = $\boxed{1\ 6\ 5}$

e $\boxed{8\ 0\ 0}$ + $\boxed{3\ 0}$ + $\boxed{6}$ = $\boxed{8\ 3\ 6}$

f $\boxed{2\ 0\ 0}$ + $\boxed{9\ 0}$ + $\boxed{1}$ = $\boxed{2\ 9\ 1}$

g $\boxed{9\ 0\ 0}$ + $\boxed{5\ 0}$ + $\boxed{2}$ = $\boxed{9\ 5\ 2}$
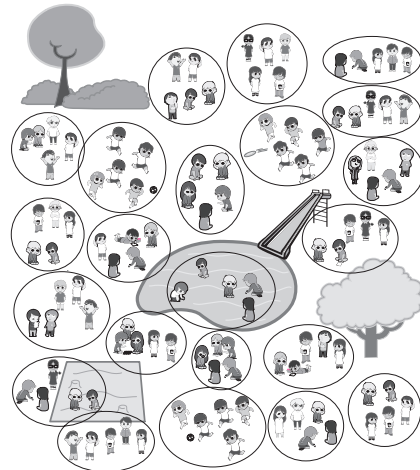
Page 39

1

2 Answers will vary.
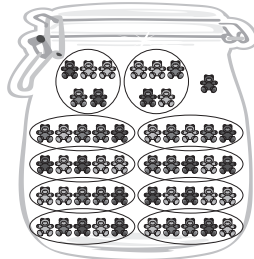
Page 40

1 estimate: Answers will vary.

check: 51

Page 41

1 estimate: Answers will vary.

check: 110

Page 42

What to do:

Observe students.

Pages 43–45

What to do:

Observe students.

Page 46

1a 10

b 0

c 0

d 10

e 10

f 10

2

Page 47

1a 0

b 10

c 10

d 10

e 20

f 10

g 20

h 30

i 20

j 30

2a 30

b 40

c 40

d 30

Series C – Numbers

Page 48

1 30; 40; 50; 70; 80; 90; 100

2a
```
0  10  20  30  [40] [50] [60]
```

b
```
0  10      [40] 50  [70]      [100]
```

c
```
0  [10] [20]      50  [60] [70]  100
```
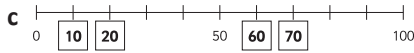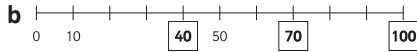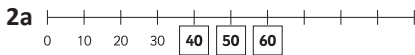
3a 30

b 10

c 50

d 80

Page 49

1 250

2 Answers will vary and could include:
count in 1s;
count in 5s;
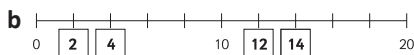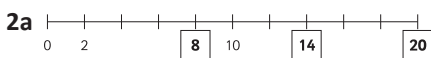there are 50 in each row and there are 5 rows.

Page 50

What to do:

Observe students.

Page 51

1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

2a
```
0  2      [8] 10  [14]      [20]
```

b
```
0  [2] [4]      10  [12] [14]  20
```

3 18

Page 52

What to do:

Observe students.

What to do next:

a–c Answers will vary.

Page 53

1a
```
0  5  10  [15] [20] [25]
```

1b
```
0  5  [10] [15]      25  [30]
```

2a
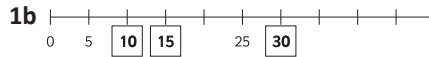
b 50

c 25

d 25

Page 54

1a, b

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
Y		Y	G	Y		Y		G R Y	

2a They are the tens numbers – 10, 20, 30, etc.

b They all have a 0 or 5 in the ones place.

c They are even numbers.

Page 55

1a

10s
100
90
80
70
60
50
40
30
20
10
0

b

5s
50
45
40
35
30
25
20
15
10
5
0

c

2s
20
18
16
14
12
10
8
6
4
2
0

2a–c Answers will vary.

Page 56

What to do:

Observe students.

What to do next:

Observe students.
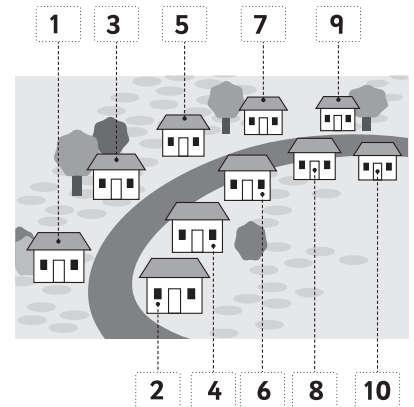
Try: Answers will vary.

Page 57

1 Answers will vary.

2 Answers will vary.

3 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, …
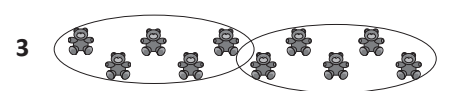Answers will vary.

Page 58

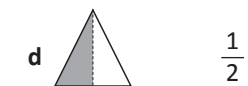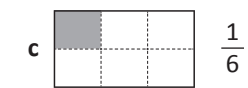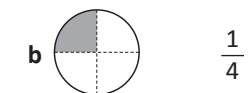**What to do next:**

What to do next:

15 + 10 = 25; 25

Page 59

1 Should have checkmarks:
a, d, e, g

2 Answers will vary.

3

Page 60

1a $\frac{1}{2}$

b $\frac{1}{4}$

c $\frac{1}{6}$

d $\frac{1}{2}$
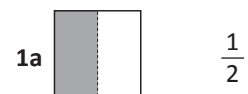
Series C – Numbers

Page 61

1a ✓

 b ✓

 c ✗

 d ✗

2 Answers will vary.

3 Answers will vary.

Page 62

**What to do:**

1a 1

 b 2

 c 3

 d 4

 e Answers will vary.

What to do next:

No because they are odd numbers which do not divide into 2 groups using whole objects.

Page 63

1 Answers will vary.

2a $\frac{1}{4}$

 b $\frac{1}{4}$
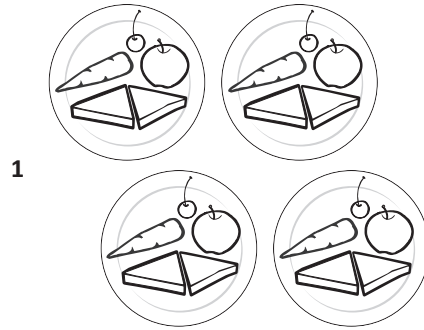
 c $\frac{1}{4}$

 d $\frac{1}{4}$

3a N

 b N

 c Y

Page 64

1
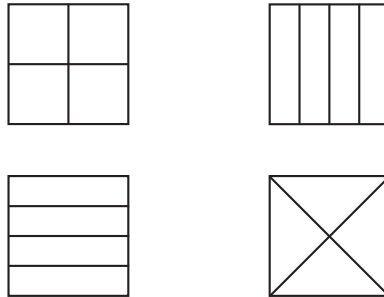
Page 65

What to do:

What to do next:

No.

Page 66

What to do:

a–c Observe students.

d 1, one whole; $\frac{1}{2}$, one half; $\frac{1}{4}$, one quarter

What to do next:

eight; $\frac{1}{8}$

Pages 67–68

What to do:

a Answers will vary.

b There will always be 6 black chickens and 6 white chickens.

c Answers will vary.

Page 69

What to do:

a 8

b 6

c 8

d 4

Page 70

1 Should have checkmarks: a, c, d, f

2a 6

 b 6

Page 71

1

2
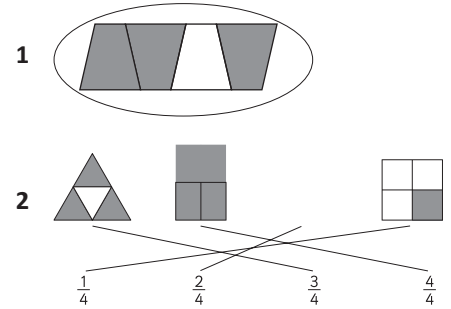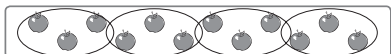
Page 72

1a $\frac{1}{4}$

 b $\frac{3}{4}$
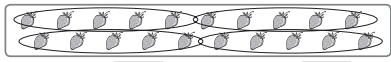
 c $\frac{4}{4}$

 d $\frac{2}{4}$

Page 73

1a

$\frac{1}{4}$ of 4 = **1** $\frac{3}{4}$ of 4 = **3**

 b

$\frac{1}{4}$ of 12 = **3** $\frac{3}{4}$ of 12 = **9**

 c

$\frac{1}{4}$ of 20 = **5** $\frac{3}{4}$ of 20 = **15**

Series C – Numbers

1

$\frac{1}{4}$ of 12

$\frac{3}{4}$ of 8

$\frac{1}{4}$ of 20

$\frac{3}{4}$ of 4

$\frac{1}{4}$ of 8

$\frac{3}{4}$ of 12

5

3

9

6

2

3

Page 75

What to do:

Observe students.

Page 76

1

2

$\frac{1}{3}$ $\frac{2}{3}$ $\frac{3}{3}$

Page 77

1a

$\frac{1}{3}$ of 12 = 4

b

$\frac{1}{3}$ of 18 = 6

c

$\frac{1}{3}$ of 15 = 5

Page 78

1

2

3a 4   **b** 2

c 3   **d** 5

e 6   **f** 1

Page 79

1a $3\frac{1}{2}$ **b** $5\frac{1}{2}$

c $7\frac{1}{2}$ **d** $4\frac{1}{2}$

Page 80

1a $1\frac{1}{4}$ **b** $3\frac{3}{4}$

c $2\frac{1}{4}$ **d** $5\frac{3}{4}$

e $7\frac{1}{4}$

Page 81

1a $3\frac{1}{3}$ **b** $6\frac{2}{3}$

c $5\frac{1}{3}$ **d** $7\frac{2}{3}$

Page 82

1a

b

c

d

e

Page 83

1

$\frac{2}{3}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{1}{3}$ 1

2a $\frac{2}{4}$

b $\frac{1}{2}$

c $\frac{1}{4}$

d $\frac{2}{3}$

Numbers to 100

1 Match the numbers written in numerals to the number written in words.

26	eighty-seven
19	nineteen
87	thirty-eight
73	twenty-six
38	seventy-three

···

2 Complete the number lines.

a

8	9	10					

b

77	78	79	80				

c

33	32	31	30				

d

90	89	88					

Numbers to 100
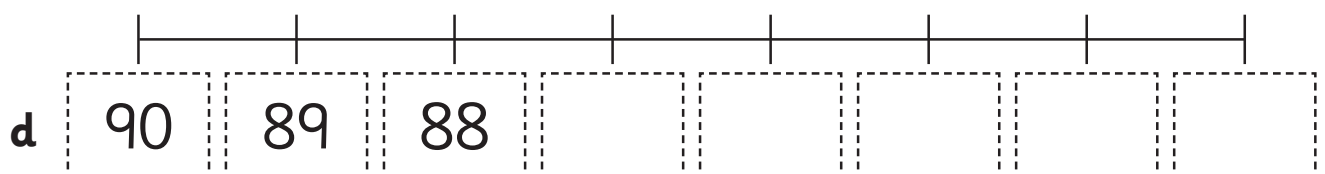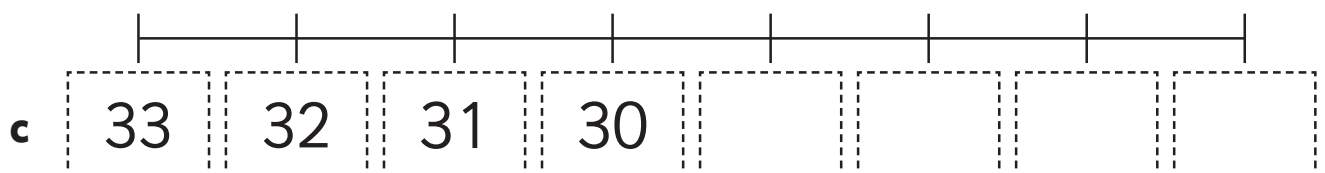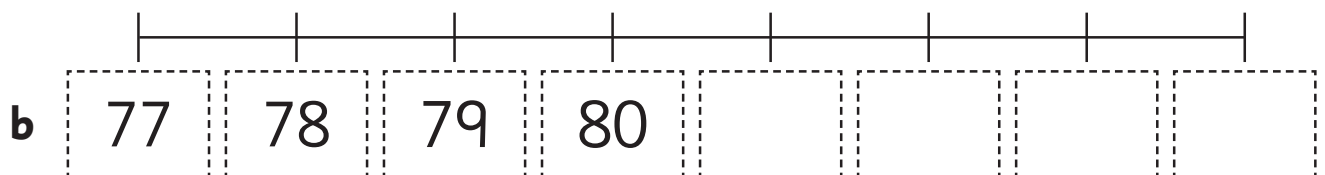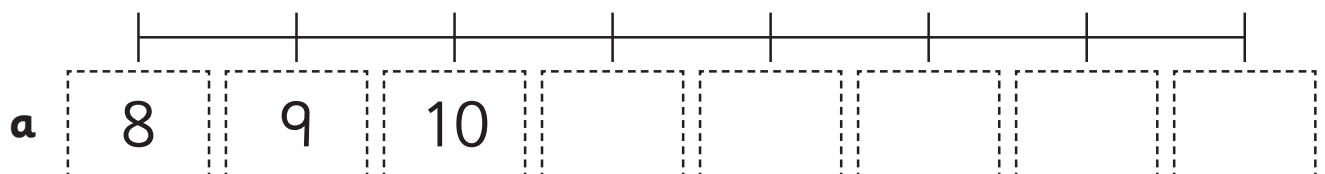
3 Fill in the pieces of a 100 square.

a

11	12	
22		

b

31		33

c

56	57	58	59	60
	67		69	
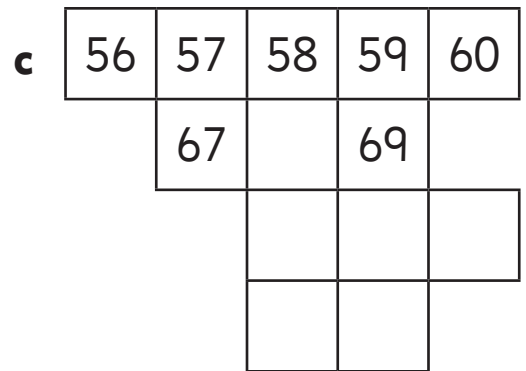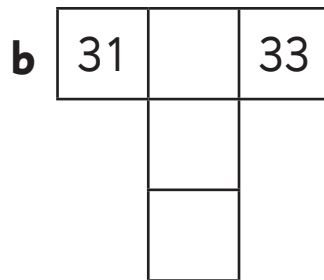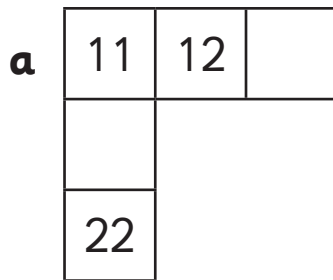
4 Circle the larger number in each pair.

a   7   16   **b**   24   8   **c**   34   11

d   67   38   **e**   88   97   **f**   11   68

5 Circle the smaller number in each pair.

a   77   34   **b**   21   98   **c**   64   11

d   81   7   **e**   33   27   **f**   17   23

6 Write these numbers from smallest to largest.

a   77 21 87

smallest ──────→ largest
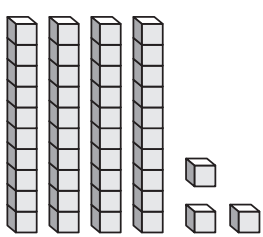
b   42 7 18

smallest ──────→ largest
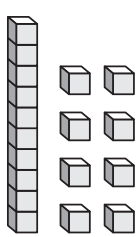
Skills and understandings	Not yet	Kind of	Got it
• Reads numbers to 100			
• Counts on and back from different starting points to 100			
• Locates and orders numbers to 100			
• Identifies numbers that are more than and less than to 100			

Place value to 100

1 What number is shown here? Count in tens and ones and write the amount.
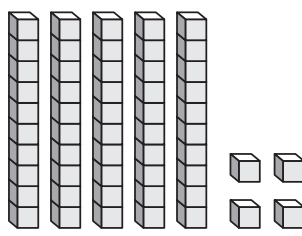
a
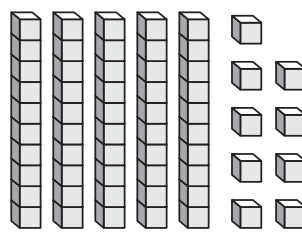
b

c
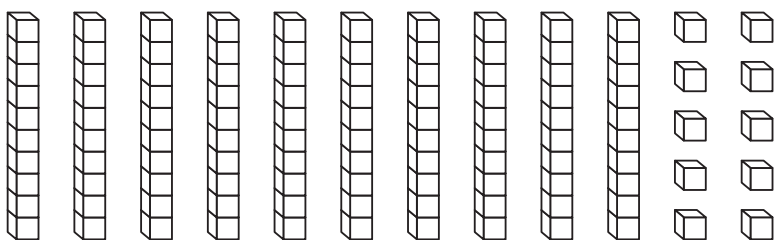
d
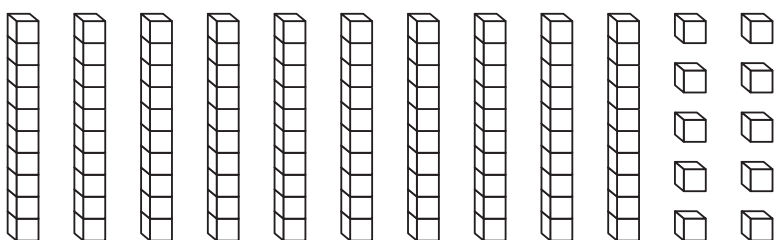
2 Colour the right number of blocks to match the number.

a | 35

b | 77

Place value to 100

Name _____

3 Count the tens and the ones. Fill in the whole/part model.

a (17)

b (31)

c (49)

d (81)
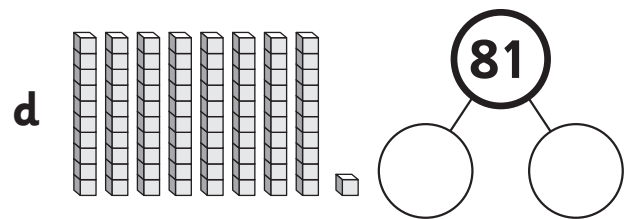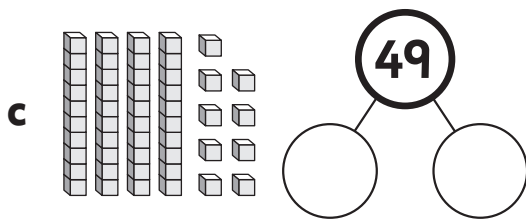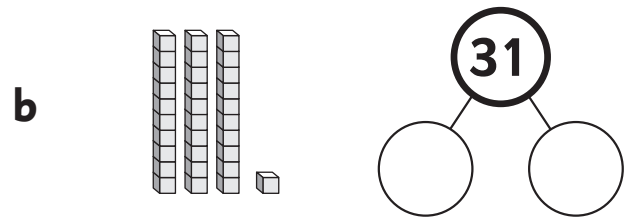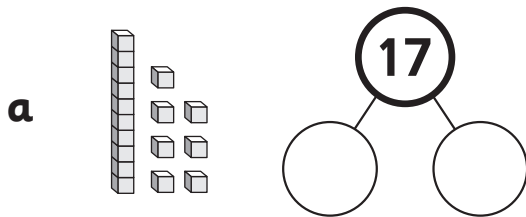
4 Combine the tens and ones to write the total.

a $\boxed{3\ 3}$ + $\boxed{3}$ = $\boxed{}$

b $\boxed{1\ 0}$ + $\boxed{7}$ = $\boxed{}$

c $\boxed{5\ 0}$ + $\boxed{4}$ = $\boxed{}$
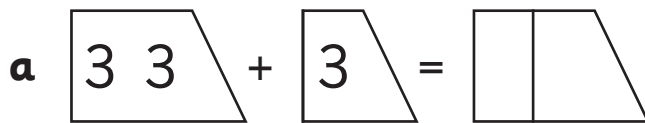
Skills and understandings	Not yet	Kind of	Got it
• Writes a 2-digit number shown in tens and ones			
• Identifies number of tens and ones in 2-digit numbers			
• Recognises that digits have different values depending on their place			

Numbers to 1,000

Name _____

1 Fill in the missing numbers.

a

79		◯	86	◯
◯		◯		
◯	82	◯		

b

534	◯	◯		542
		537		◯
◯	539	◯		

2 Colour the base-10 blocks to match the number.

a | 542 |

b | 739 |

c | 404 |

Numbers to 1,000
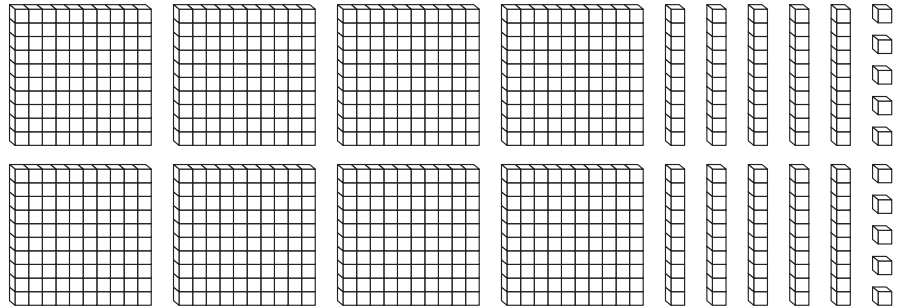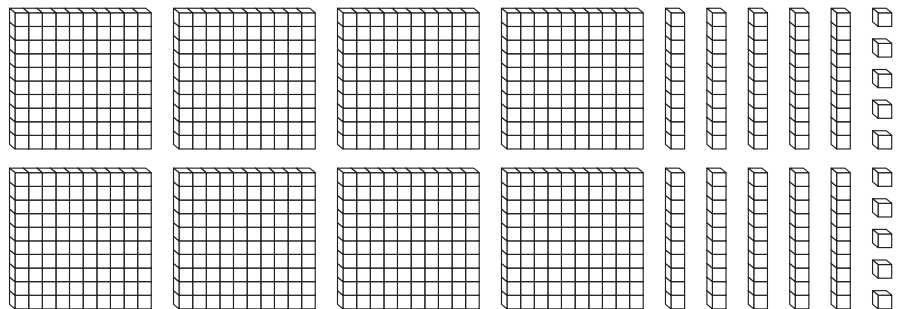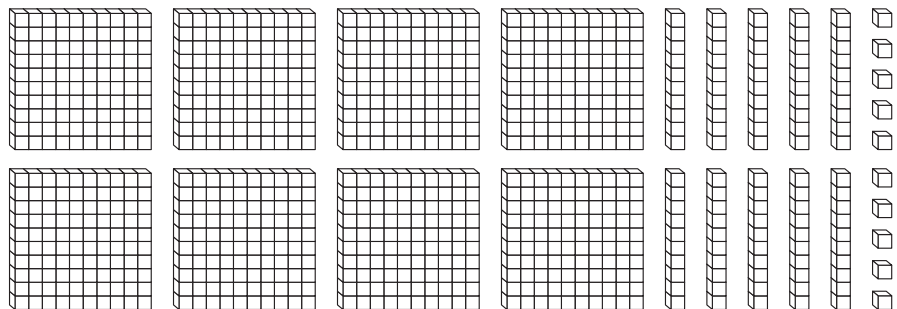
3 Complete the numberlines.

a

| 94 | 95 | 96 | | | | | |

b

| 344 | 345 | | | 348 | | | |
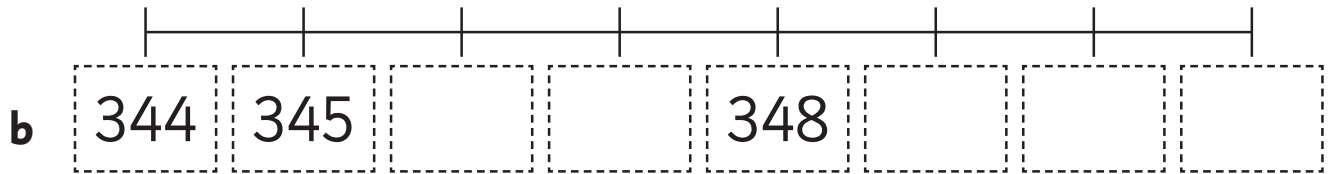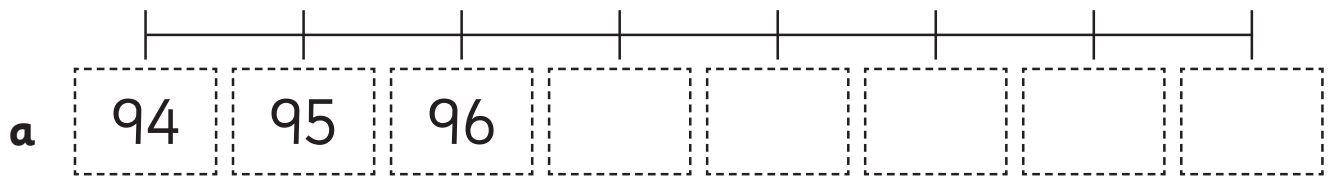
4 Put these numbers in order from smallest to largest.

a | 125 | 128 | 121 | | | | |

b | 842 | 848 | 845 | | | | |

5 Put in the more than or lesser than signs.

The big end gobbles up the bigger number!

>   **<**

a 56 [ ] 87   **b** 123 [ ] 94

c 674 [ ] 128   **d** 170 [ ] 126
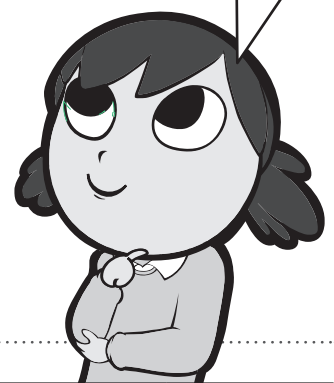
Skills and understandings	Not yet	Kind of	Got it
• Counts in 1s to 1,000 from different starting points			
• Matches numbers to base-10 blocks to 1,000			
• Counts backwards from 1,000			
• Locates and orders numbers to 1,000			
• Identifies numbers that are more than or less than			

Place value to 1,000

1 How many are there? Write the number to match the amount.

a

b

....

2 Colour the right number of blocks to match the number.

a

425

b

331

....

3 What numbers have been made on these abacuses?

a

hundreds   tens   ones

b

hundreds   tens   Ones

c

hundreds   tens   ones
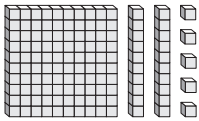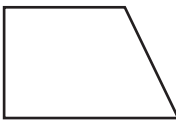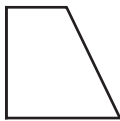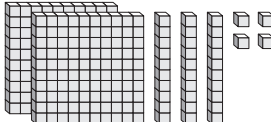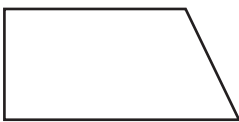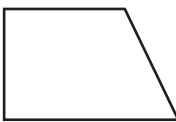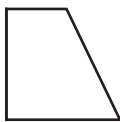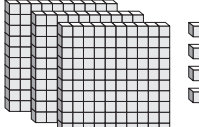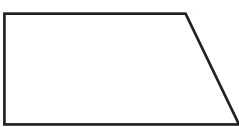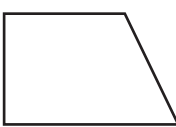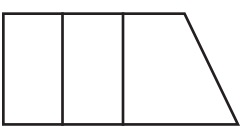
Place value to 1,000

4 Fill in the missing information.

a ⬚ + ⬚ + ⬚ = ⬚⬚⬚

....
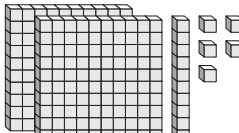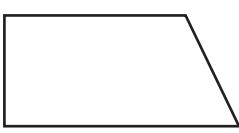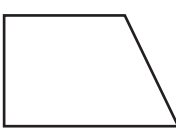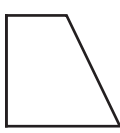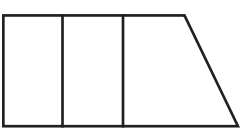
b ⬚ + ⬚ + ⬚ = ⬚⬚⬚

....

c ⬚ + ⬚ + ⬚ = ⬚⬚⬚

....

5 Use the numeral expander to help you name the value.

a ⬚ + ⬚ + ⬚ = ⬚⬚⬚

The 8 is in the ⬚ position. The value of the 8 is ⬚

....

b ⬚ + ⬚ + ⬚ = ⬚⬚⬚

The 1 is in the ⬚ position. The value of the 1 is ⬚

....

6 What number is:

a 1 more than 34? ⬚   **b** 10 more than 34? ⬚

tens   ones
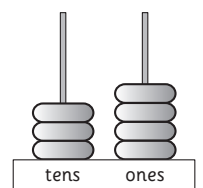
Skills and understandings	Not yet	Kind of	Got it
• Matches numbers to amounts to 1,000			
• Represents numbers on value cards			
• Understands role of zero as a place holder			
• Identifies the place value of digits			
• Identifies 1 and 10 more and less in 2-digit numbers			

Number sense

1 Estimate, then check.

a

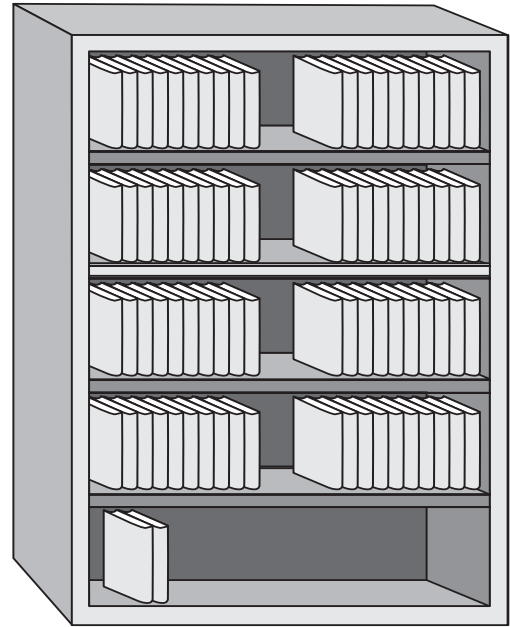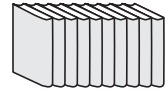| This is what 5 chocolates look like. |

estimate   check

b

| This is what 10 books look like. |

estimate   check

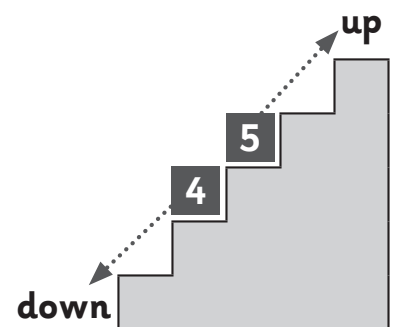**2** Round the numbers to 0 or the nearest 10.

a 9 rounds to ☐   **b** 3 rounds to ☐

c 5 rounds to ☐   **d** 12 rounds to ☐

e 18 rounds to ☐   **f** 43 rounds to ☐

up

5

4

down

Skills and understandings	Not yet	Kind of	Got it
● Estimates amounts to 100			
● Rounds to the nearest 10			

Skip counting

1 Count in 10s to find:

a
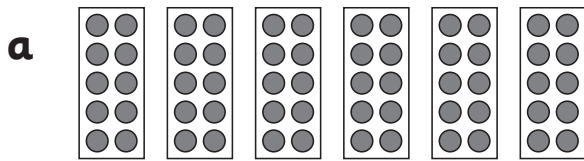
There are _____ counters.

b

There are _____ books.

c
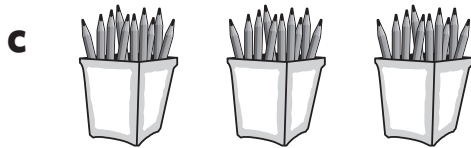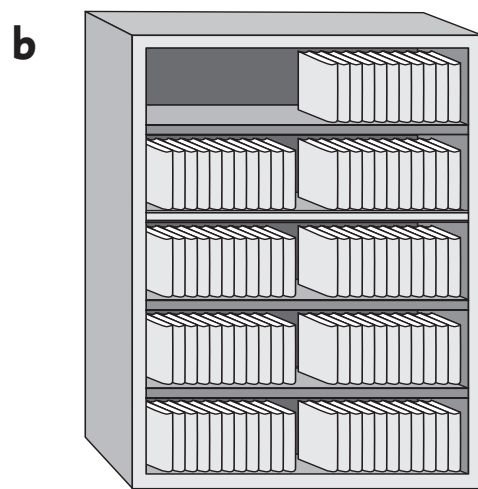
There are _____ pencils.

2 This is part of a 100 square. What numbers would be in the grey squares? Write them in.

1	2	3	4	5	6	7
11	12			15		
21					26	

3 How many eyes are looking at you? [ ]

| 2 | | | | | | | | |

| | | | | | | | | |
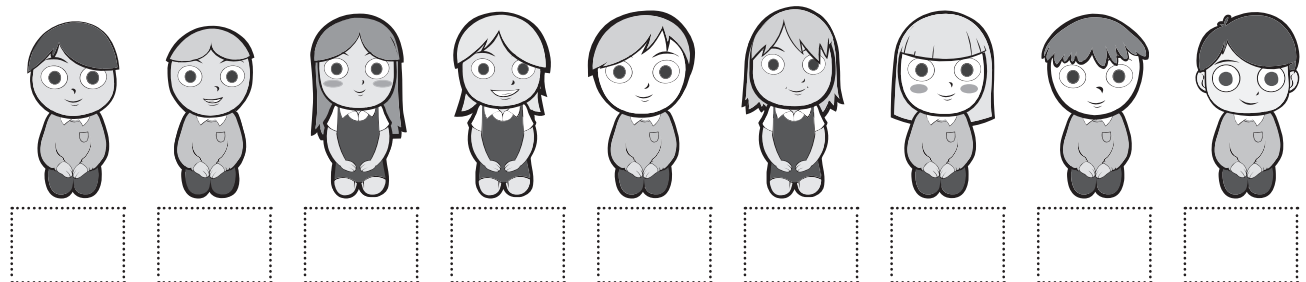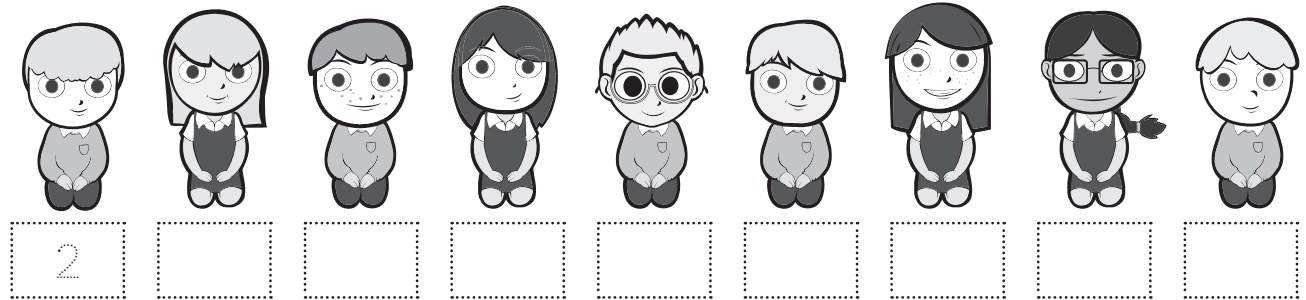
Skip counting

4 Count in 5s to find how many fingers and thumbs.
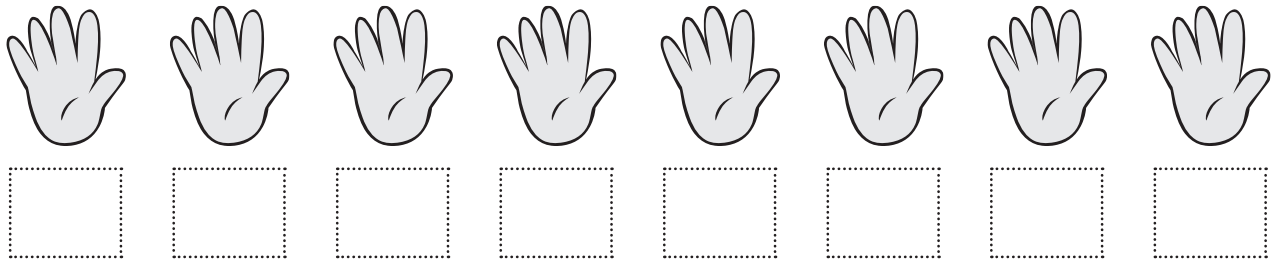
5 Is this counting in 2s, 5s or 10s?

a 10 20 30 40 50 60 70   This is counting in _____s.

b 5 10 15 20 25 30 35   This is counting in _____s.

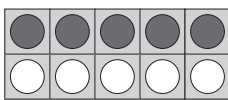**c** 2 4 6 8 10 12 14   This is counting in _____s.
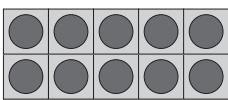
d 70 75 80 85 90 95 100   This is counting in _____s.

e 62 64 66 68 70 72 74   This is counting in _____s.

6 Write **o** if the number is odd. Write **e** if the number is even.
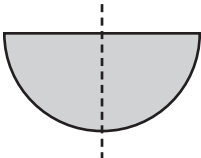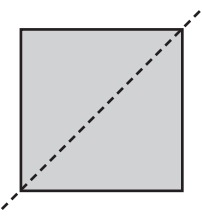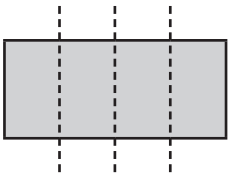
a ☐ is _____.
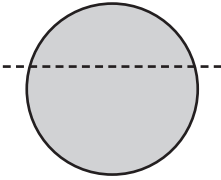
b ☐ is _____.

c ☐ is _____.

Skills and understandings	Not yet	Kind of	Got it
• Skip Counts in 10s on decade (to 100)			
• Skip Counts in 10s off decade (to 100)			
• Skip Counts in 2s (to 100)			
• Skip Counts in 5s (to 100)			
• Classifies numbers as odd or even (to 20)			

Fractions

1 ✔️ the shapes that have been divided into **equal** parts.

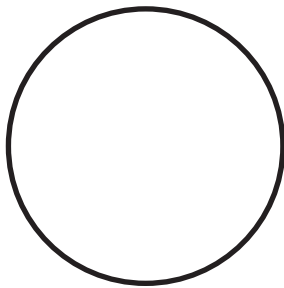**a** [semicircle, shaded] **b** [circle, shaded] **c** [square with diagonal, shaded] **d** [rectangle with vertical divisions, shaded]
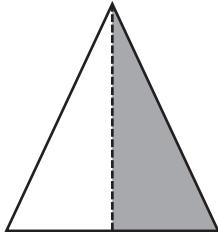
2 Divide the circle into 2 equal parts.

[circle]
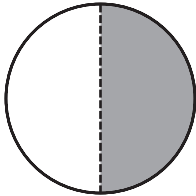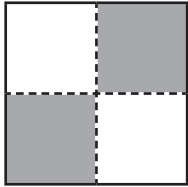
3 Divide the square into 4 equal parts.

[square]
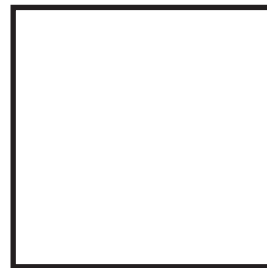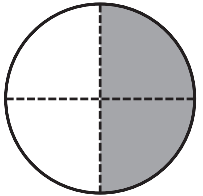
4 What fraction is shaded?

a [triangle]   **b** [circle]   **c** [square]   **d** [circle]

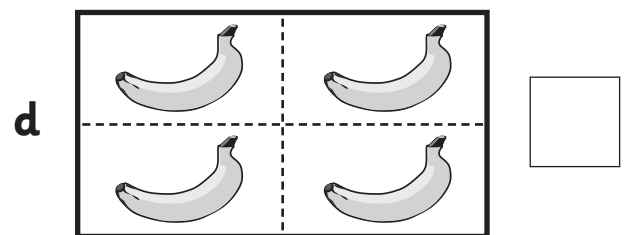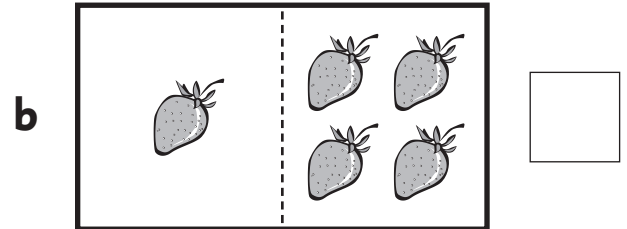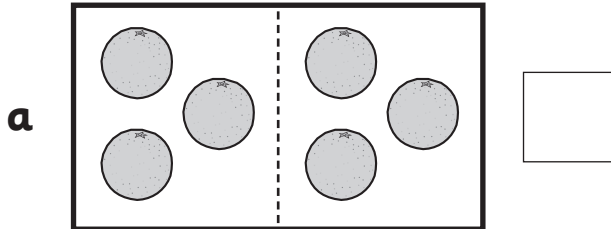**5** Divide the rectangle into 4 equal parts.

[rectangle]

Shade 2 of the parts and write the fraction you have shaded.

Fractions
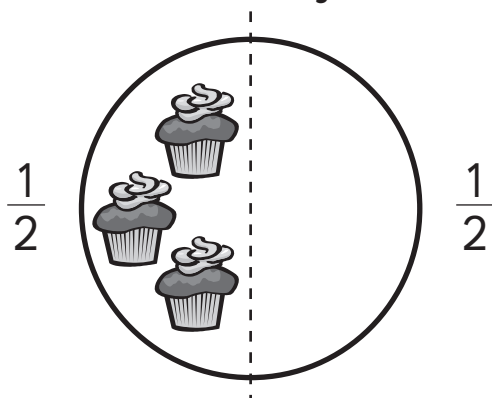
6 ☑ the groups that have been divided into **equal** parts.
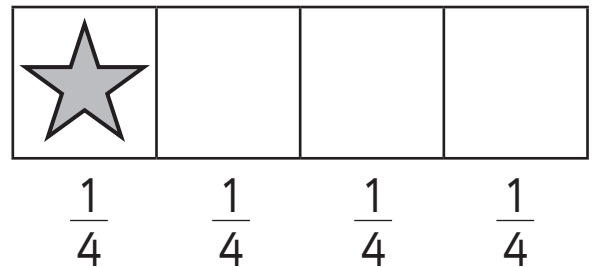
☒ the groups that are **unequal**.

a ☐

b ☐

c ☐

d ☐
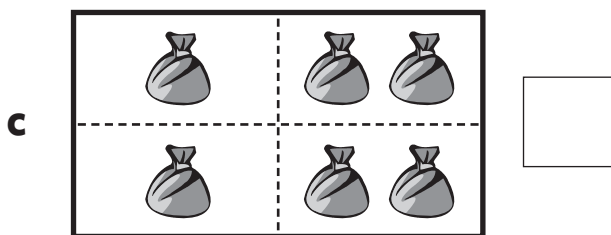
7 This is half a plate of cakes. Draw the other half.

$\frac{1}{2}$ $\frac{1}{2}$

How many cakes altogether? ☐

8 This is one quarter of the stars. Draw the other quarters.

$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$

How many stars altogether? ☐

Skills and understandings	Not yet	Kind of	Got it
• Identifies, makes and names equal parts			
• Identifies, makes and names half of a group			
• Identifies, makes and names quarters of shapes and groups			

Series C – Numbers – Student Progress Record

Name _____ Class _____ Date _____

What went well: _____

_____

_____

_____

What I need to improve: _____

_____

_____

_____

--------------------------------- ✂ ---------------------------------

Series C – Numbers – Student Progress Record

Name _____ Class _____ Date _____

What went well: _____

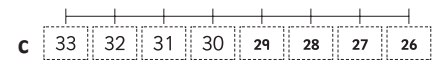_____

_____

_____

What I need to improve: _____

_____

_____

_____

Series C – Numbers

ASSESSMENT ANSWERS

Pages 9–10

1

26 ← twenty-six
19 → nineteen
87 → eighty-seven
73 → thirty-eight
38 → seventy-three

eighty-seven
nineteen
thirty-eight
twenty-six
seventy-three

2a | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

b | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |

c | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 |

d | 90 | 89 | 88 | 87 | 86 | 85 | 84 | 83 |

3a

11	12	**13**
21		
22		

b

31	**32**	33
	42	
	52	

c

56	57	58	59	60
	67	**68**	69	
		78	**79**	**80**
		88	**89**	
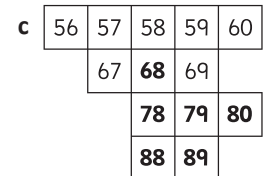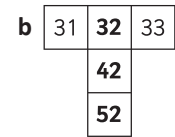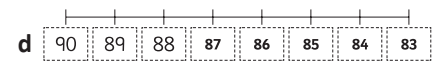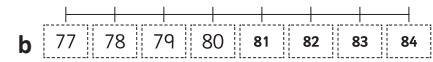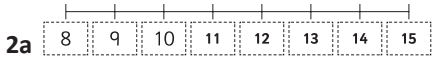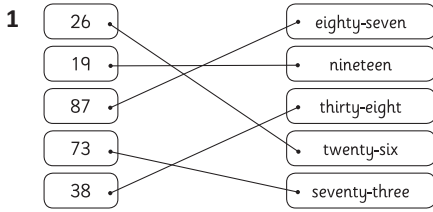
4a (16)

b (24)

c (34)

d (67)

e (97)

f (68)

5a (34)

b (21)

5c (64)

d (81)

e (27)

f (23)

6a smallest (21)(77)(87) largest

b smallest (7)(18)(42) largest
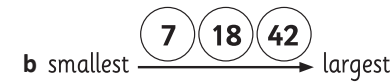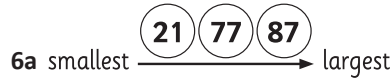
Pages 11–12

1a 43

b 18

c 54

d 59

2a

b

3a

(17)
(10) (7)

b

(31)
(30) (1)

c

(49)
(40) (9)

d

(81)
(80) (1)

4a

| 3 | 3 |

b

| 1 | 7 |

c

| 5 | 4 |

Pages 13–14

1a

79			85	86	87
80			84		
81	82	83			

b

534	535	536		542
		537		541
	538	539	540	

2a

b

c

3a | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 |

b | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 |
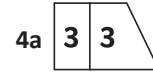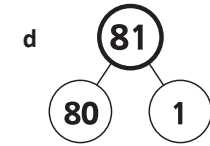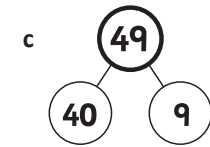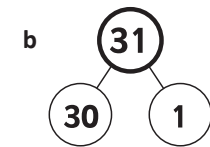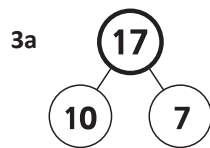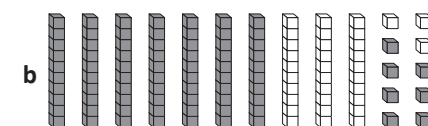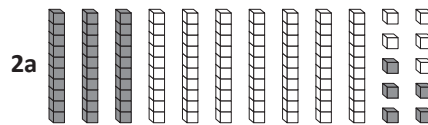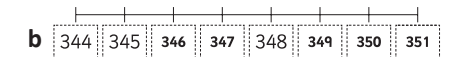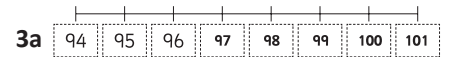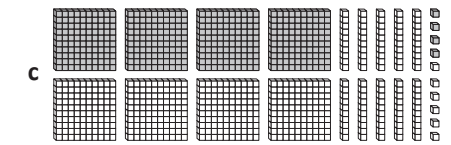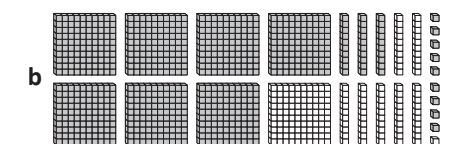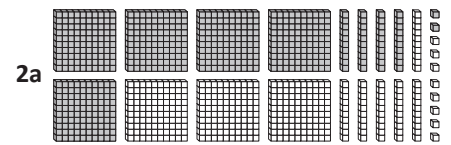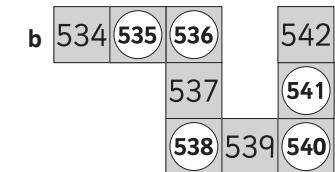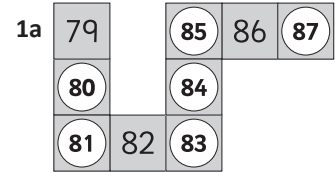
4a 121; 125; 128

b 842; 845; 848

5a <

b >

c >

d >

Series C – Numbers

Pages 15–16

1a 175

b 223

2a

b

3a 186

b 45

c 423

4a $\boxed{1\ 0\ 0}$ + $\boxed{2\ 0}$ + $\boxed{5}$ = $\boxed{2\ 2\ 5}$

b $\boxed{2\ 0\ 0}$ + $\boxed{3\ 0}$ + $\boxed{4}$ = $\boxed{2\ 3\ 4}$

c $\boxed{3\ 0\ 0}$ + $\boxed{0}$ + $\boxed{4}$ = $\boxed{3\ 0\ 4}$

5a $\boxed{1\ 0\ 0}$ + $\boxed{3\ 0}$ + $\boxed{8}$ = $\boxed{1\ 3\ 8}$

The 8 is in the $\boxed{\text{ones}}$ position. The value of the 8 is $\boxed{8}$

b $\boxed{2\ 0\ 0}$ + $\boxed{1\ 0}$ + $\boxed{5}$ = $\boxed{2\ 1\ 5}$

The 1 is in the $\boxed{\text{tens}}$ position. The value of the 1 is $\boxed{10}$

6a 35

b 44

Page 17

1a estimate: Answers will vary.
check: 47

b estimate: Answers will vary.
check: 82

2a 10

b 0

c 10

d 10

e 20

f 40

Pages 18–19

1a 60

b 90

c 30

2

1	2	3	4	5	6	7
11	12	**13**		15		**17**
21	**22**		**24**		26	**27**

3 36
2, 4, 6, 8, 10, 12, 14, 16, 18
20, 22, 24, 26, 28, 30, 32, 34, 36

4 5, 10, 15, 20, 25, 30, 35, 40

5a 10

b 5

c 2

d 5

e 2

6a <u>7</u> is <u>o</u>

b <u>10</u> is <u>e</u>

c <u>15</u> is <u>o</u>

Pages 20–21

1 Tick: **a, c, d**

2 Answers will vary.

3 Answers will vary.

4a $\frac{1}{2}$

b $\frac{1}{2}$

c $\frac{2}{4}$

d $\frac{2}{4}$

5

$\frac{1}{2}$

6a ✓

b ✗

c ✗

d ✓

7 $\frac{1}{2}$ $\frac{1}{2}$

6

8

$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$
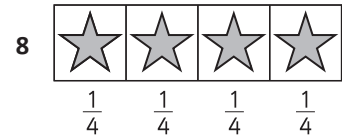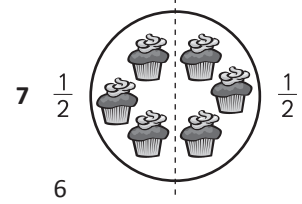
4

Series C – Numbers

Topic	Reference	Strand	Substrand	Objective
Numbers	2N2b	Number	Number and place value	Compare and order numbers from 0 up to 100; use <, > and = signs.
Numbers	2N2a	Number	Number and place value	Read and write numbers to at least 100 in numerals and in words.
Numbers	2N6	Number	Number and place value	Use place value and number facts to solve problems.
Place Value	2N3	Number	Number and place value	Recognise the place value of each digit in a two-digit number (tens, ones).
Place Value	2N4	Number	Number and place value	Identify, represent and estimate numbers using different representations, including the number line
Place Value	2N6	Number	Number and place value	Use place value and number facts to solve problems.
Number Sense	2N4	Number	Number and place value	Identify, represent and estimate numbers using different representations, including the number line
Skip Counting	2N1	Number	Number and place value	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward
Skip Counting	2C6	Number	Multiplication and division	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
Fractions	2F1a	Number	Fractions	Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity
Fractions	2F1b	Number	Fractions	Write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$