



725 - 39 606 - 27

The background features several mathematical diagrams: a number line with circles and arrows labeled with values like +70, -110, and +270; a grid with numbers and a plus sign; and a circular arrangement of numbers and symbols.

Addition and Subtraction



Series G – Addition and Subtraction

Contents

Student book answers _____	1
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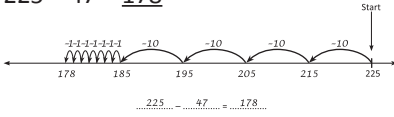
Series G – Addition and Subtraction

Page 1

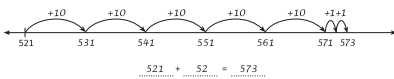
1 Answers will vary.

2 Answers will vary.

3a $225 - 47 = 178$

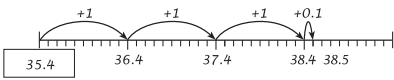


b $521 + 52 = 573$

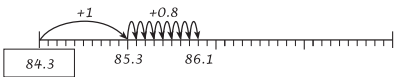


Pages 2–3

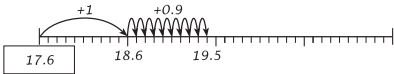
1a $35.4 + 3.1 = 38.5$



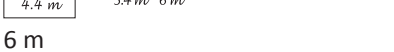
b $84.3 + 1.8 = 86.1$



c $17.6 + 1.9 = 19.5$



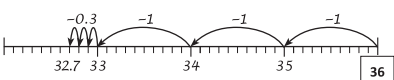
2a $4.4 \text{ m} + 1.6 \text{ m} = 6 \text{ m}$



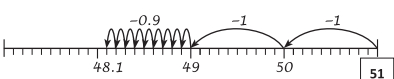
b $6 \text{ m} + 1.1 \text{ m} = 7.1 \text{ m}$



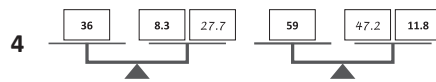
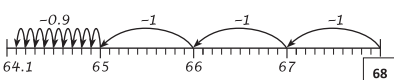
3a $36 - 3.3 = 32.7$



b $51 - 2.9 = 48.1$



c $68 - 3.9 = 64.1$



Page 4

1a 647

$$478 + 100 = 578$$

$$578 + 60 = 638$$

$$638 + 9 = 647$$

b 723

$$507 + 200 = 707$$

$$707 + 10 = 717$$

$$717 + 6 = 723$$

c 581

$$345 + 200 = 545$$

$$545 + 30 = 575$$

$$575 + 6 = 581$$

2a 268

$$421 - 100 = 321$$

$$321 - 50 = 271$$

$$271 - 3 = 268$$

b 494

$$632 - 100 = 532$$

$$532 - 30 = 502$$

$$502 - 8 = 494$$

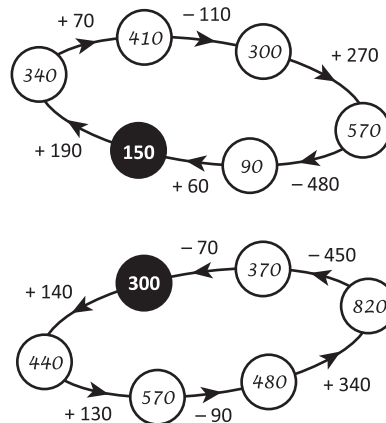
c 333

$$954 - 600 = 354$$

$$354 - 20 = 334$$

$$334 - 1 = 333$$

3



Pages 5–6

1a

1.7	1.5	3.8	3.1
1.3	1.2	3.2	3.6
6.3	6.4	5.1	5.5
6.2	6.6	5.6	2.5

b

1.4	0.3	0.7	0.9
2.4	2.6	1.2	3.2
1.5	1.7	3.5	1.5
1.6	1.2	1.8	1.1

c

1.6	1.1	2.3	1.5
1.2	1.4	1.5	2.7
1.7	2.5	2.9	3.3
2.1	1.8	3.2	3.5

2a 34.6

b 25.5

c 53.3

3a 12.2 cm

b 16.8 cm

c 13.2 cm

4a 37.5

b 51.6

c 46.3

5a £6.30

b £13.35

c £127.20

Page 7

1a $424 + 68 = 492$

$$424 + 70 = 494$$

$$494 - 2 = 492$$

Series G – Addition and Subtraction

Page 7

1b $234 + 18 = \boxed{252}$

$$\begin{array}{r} 234 + 20 \\ \underline{\quad} \\ 254 \end{array} \begin{array}{l} (-2) \\ (-2) \end{array} = \underline{\quad 252}$$

c $564 + 132 = \boxed{696}$

$$\begin{array}{r} 564 + 130 \\ \underline{\quad} \\ 694 \end{array} \begin{array}{l} (+2) \\ (+2) \end{array} = \underline{\quad 696}$$

d $214 + 141 = \boxed{355}$

$$\begin{array}{r} 214 + 140 \\ \underline{\quad} \\ 354 \end{array} \begin{array}{l} (+1) \\ (+1) \end{array} = \underline{\quad 355}$$

2a $725 - 39 = \boxed{686}$

$$\begin{array}{r} 725 - 40 \\ \underline{\quad} \\ 685 \end{array} \begin{array}{l} (+1) \\ (+1) \end{array} = \underline{\quad 686}$$

b $373 - 49 = \boxed{324}$

$$\begin{array}{r} 373 - 50 \\ \underline{\quad} \\ 323 \end{array} \begin{array}{l} (+1) \\ (+1) \end{array} = \underline{\quad 324}$$

c $285 - 198 = \boxed{87}$

$$\begin{array}{r} 285 - 200 \\ \underline{\quad} \\ 85 \end{array} \begin{array}{l} (+2) \\ (+2) \end{array} = \underline{\quad 87}$$

d $455 - 43 = \boxed{412}$

$$\begin{array}{r} 455 - 40 \\ \underline{\quad} \\ 415 \end{array} \begin{array}{l} (-3) \\ (-3) \end{array} = \underline{\quad 412}$$

Page 8

1a $9.5 + 2.8 = \boxed{12.3}$

$$\begin{array}{r} 9.5 + 3 \\ \underline{\quad} \\ 12.5 \end{array} \begin{array}{l} (-0.2) \\ (-0.2) \end{array} = \underline{\quad 12.3}$$

1b $6.4 + 3.1 = \boxed{9.5}$

$$\begin{array}{r} 6.4 + 3 \\ \underline{\quad} \\ 9.4 \end{array} \begin{array}{l} (+0.1) \\ (+0.1) \end{array} = \underline{\quad 9.5}$$

c $8.3 + 1.8 = \boxed{10.1}$

$$\begin{array}{r} 8.3 + 2 \\ \underline{\quad} \\ 10.3 \end{array} \begin{array}{l} (-0.2) \\ (-0.2) \end{array} = \underline{\quad 10.1}$$

d $2.4 + 0.9 = \boxed{3.3}$

$$\begin{array}{r} 2.4 + 1 \\ \underline{\quad} \\ 3.4 \end{array} \begin{array}{l} (-0.1) \\ (-0.1) \end{array} = \underline{\quad 3.3}$$

2a $5.3 - 3.8 = \boxed{1.5}$

$$\begin{array}{r} 5.3 - 4 \\ \underline{\quad} \\ 1.3 \end{array} \begin{array}{l} (+0.2) \\ (+0.2) \end{array} = \underline{\quad 1.5}$$

b $7.2 - 2.9 = \boxed{4.3}$

$$\begin{array}{r} 7.2 - 3 \\ \underline{\quad} \\ 4.2 \end{array} \begin{array}{l} (+0.1) \\ (+0.1) \end{array} = \underline{\quad 4.3}$$

c $68.3 - 1.8 = \boxed{66.5}$

$$\begin{array}{r} 68.3 - 2 \\ \underline{\quad} \\ 66.3 \end{array} \begin{array}{l} (+0.2) \\ (+0.2) \end{array} = \underline{\quad 66.5}$$

d $32.5 - 9.8 = \boxed{22.7}$

$$\begin{array}{r} 32.5 - 10 \\ \underline{\quad} \\ 22.5 \end{array} \begin{array}{l} (+0.2) \\ (+0.2) \end{array} = \underline{\quad 22.7}$$

Pages 9–10

1a 69

b 89

c 29

d 27

e 17

f 99

2b $88 + 26$
 $\begin{array}{r} \downarrow \quad \downarrow \\ \boxed{+2} \quad \boxed{-2} \end{array}$
 $\boxed{90 + 24 = 114}$

c $32 + 56$
 $\begin{array}{r} \downarrow \quad \downarrow \\ \boxed{-2} \quad \boxed{+2} \end{array}$
 $\boxed{30 + 58 = 88}$

d $83 + 12$
 $\begin{array}{r} \downarrow \quad \downarrow \\ \boxed{-3} \quad \boxed{+3} \end{array}$
 $\boxed{80 + 15 = 95}$

e $61 + 24$
 $\begin{array}{r} \downarrow \quad \downarrow \\ \boxed{-1} \quad \boxed{+1} \end{array}$
 $\boxed{60 + 25 = 85}$

f $226 + 52$
 $\begin{array}{r} \downarrow \quad \downarrow \\ \boxed{+4} \quad \boxed{-4} \end{array}$
 $\boxed{230 + 48 = 278}$

g $142 + 13$
 $\begin{array}{r} \downarrow \quad \downarrow \\ \boxed{-2} \quad \boxed{+2} \end{array}$
 $\boxed{140 + 15 = 155}$

h $304 + 38$
 $\begin{array}{r} \downarrow \quad \downarrow \\ \boxed{-4} \quad \boxed{+4} \end{array}$
 $\boxed{300 + 42 = 342}$

i $421 + 65$
 $\begin{array}{r} \downarrow \quad \downarrow \\ \boxed{-1} \quad \boxed{+1} \end{array}$
 $\boxed{420 + 66 = 486}$

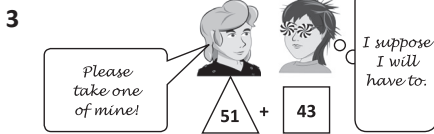
Series G – Addition and Subtraction

Pages 9–10

2j $275 + 32$

↓	↓
+5	-5

$280 + 27 = 307$



4a $46 - 19$

↓	↓
+1	+1

$47 - 20 = 27$

b $85 - 33$

↓	↓
-3	-3

$82 - 30 = 52$

c $64 - 21$

↓	↓
-1	-1

$63 - 20 = 43$

d $56 - 42$

↓	↓
-2	-2

$54 - 40 = 14$

e $94 - 58$

↓	↓
+2	+2

$96 - 60 = 36$

f $595 - 11$

↓	↓
-1	-1

$594 - 10 = 584$

4g $244 - 39$

↓	↓
+1	+1

$245 - 40 = 205$

h $606 - 27$

↓	↓
+3	+3

$609 - 30 = 579$

i $315 - 43$

↓	↓
-3	-3

$312 - 40 = 272$

j $496 - 52$

↓	↓
-2	-2

$494 - 50 = 444$

5a 34 kg

b £51

c 380 pigs

d 75 mints

Pages 11–12

1 $249 + 142 = 391$

2

250		
96	87	67
32	71	147
122	92	36

330		
183	89	58
45	175	110
102	66	162

3 Possible answers.

a $159 + 235 = 394$

b $158 + 241 = 399$

c $1145 - 759 = 386$

d $1113 - 748 = 365$

4a

	Total fat	Total sugar
Sam	$1.2\text{ g} + 33.8\text{ g} = 35\text{ g}$	$28.3\text{ g} + 12.3\text{ g} + 30\text{ g} = 70.6\text{ g}$
Nate	$0.7\text{ g} + 33.8\text{ g} + 12\text{ g} = 46.5\text{ g}$	$1.6\text{ g} + 12.3\text{ g} + 61\text{ g} = 74.9\text{ g}$
Wil	$1.2\text{ g} + 9.3\text{ g} + 0\text{ g} = 10.5\text{ g}$	$28.3\text{ g} + 5.4\text{ g} + 30\text{ g} = 63.7\text{ g}$
Trey	$0.7\text{ g} + 9.3\text{ g} + 0\text{ g} = 10\text{ g}$	$1.6\text{ g} + 5.4\text{ g} + 4.9\text{ g} = 11.9\text{ g}$

b Trey

5 Answers will vary.

Pages 13–14

1 Across Down

1. 153

2. 57

4. 73

3. 33

6. 38

5. 48

7. 14

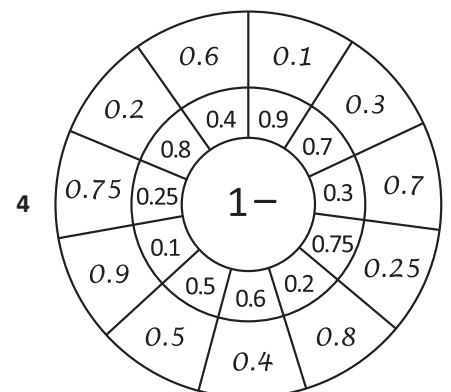
6. 32

1 1	2 5	3 3	
	4 7	3	
5 4			6 3 8
8			2
	7 1	4	

2 Answer: 252

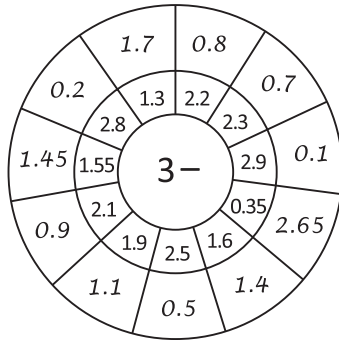
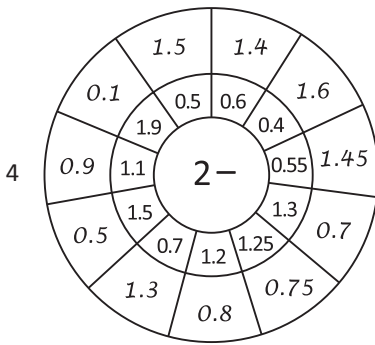
3a £309

b £257



Series G – Addition and Subtraction

Pages 13–14



5a £31

b £7.96

c £71.97

d £2.80

Page 15

- 1 Find the difference between ... G
 What is the total? R
 minus G
 Who has less? G
 How many altogether? R
 Who has more? G
 Find the difference between ... G
 How many more ... than ...? G
 ... plus ... R

2a £6.40; £6.90; £3.60; £7.50; £24.40
 £7.50; £6.80; £6.40; £3.20; £23.90

b Stef

c £0.50

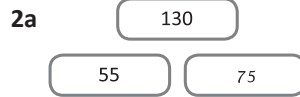
Page 16

1 Step 1: 614; 472; 277; 726; 136

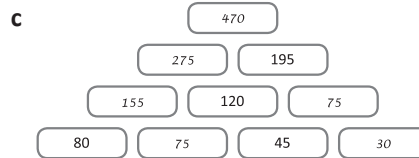
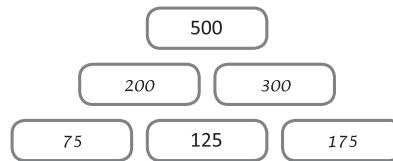
Step 2: 472; 277; 726; 136; 614

Step 3: A; D; D; R; E; S; S

Address



b Answers will vary.
 Sample answer:



Page 17

What to do

Observe students.

Page 18

What to do

Observe students.

Page 19

What to do

Numbers add up to 210

$210 \div 6 = 35$

Pages 20–21

1a e: 750

$$\begin{array}{r} 697 \\ + 56 \\ \hline 753 \\ 11 \end{array}$$

b e: 940

$$\begin{array}{r} 844 \\ + 93 \\ \hline 937 \\ 1 \end{array}$$

1c e: 1,000

$$\begin{array}{r} 532 \\ + 498 \\ \hline 1030 \\ 11 \end{array}$$

d e: 6,500

$$\begin{array}{r} 6192 \\ + 330 \\ \hline 6522 \\ 1 \end{array}$$

e e: 11,400

$$\begin{array}{r} 6640 \\ + 4834 \\ \hline 11474 \\ 1 \end{array}$$

f e: 11,000

$$\begin{array}{r} 9971 \\ + 1029 \\ \hline 11000 \\ 111 \end{array}$$

g e: 75,000

$$\begin{array}{r} 63300 \\ + 12990 \\ \hline 76290 \\ 1 \end{array}$$

h e: 52,000

$$\begin{array}{r} 45529 \\ + 6753 \\ \hline 52282 \\ 111 \end{array}$$

2a 2118

b £3,490

3a

$$\begin{array}{r} 127 \\ + 225 \\ \hline 352 \\ 1 \end{array}$$

Series G – Addition and Subtraction

Pages 20–21

3b

$$\begin{array}{r} 3 \ 3 \ 0 \ 1 \\ + 3 \ 3 \ 0 \ 9 \\ \hline 6 \ 6 \ 1 \ 0 \\ \hline \end{array}$$

✓

c

$$\begin{array}{r} 4 \ 8 \ 0 \ 0 \\ + 1 \ 2 \ 8 \ 5 \\ \hline 6 \ ① \ 8 \ 5 \\ \hline \end{array}$$

1

$$\begin{array}{r} 6 \ 0 \ 8 \ 5 \end{array}$$

4a e: 4,700

$$\begin{array}{r} 4 \ 4 \ 2 \ 6 \\ + 3 \ 4 \ 5 \\ \hline 4 \ 7 \ 7 \ 1 \\ \hline \end{array}$$

1

b e: 3,600

$$\begin{array}{r} 3 \ 1 \ 1 \ 9 \\ + 5 \ 6 \ 3 \\ \hline 3 \ 6 \ 8 \ 2 \\ \hline \end{array}$$

1

c e: 8,500

$$\begin{array}{r} 7 \ 7 \ 1 \ 3 \\ + 8 \ 4 \ 7 \\ \hline 8 \ 5 \ 6 \ 0 \\ \hline \end{array}$$

1 1

d e: 10,000

$$\begin{array}{r} 8 \ 9 \ 9 \ 9 \\ + 1 \ 0 \ 3 \ 4 \\ \hline 1 \ 0 \ 0 \ 3 \ 3 \\ \hline \end{array}$$

1 1 1

e e: 8,000

$$\begin{array}{r} 5 \ 6 \ 1 \ 2 \\ + 2 \ 3 \ 2 \ 8 \\ \hline 7 \ 9 \ 4 \ 0 \\ \hline \end{array}$$

1

4f e: 12,000

$$\begin{array}{r} 8 \ 3 \ 2 \ 0 \\ + 3 \ 6 \ 8 \ 9 \\ \hline 1 \ 2 \ 0 \ 0 \ 9 \\ \hline \end{array}$$

1 1

- 5a 6,657 people
 b 5,935 people
 c 1,627 people
 d 140 books

Pages 22–23

1a e: 500

$$\begin{array}{r} 5 \ 11 \ 1 \\ \cancel{6} \ \cancel{2} \ 1 \\ - 8 \ 2 \\ \hline 5 \ 3 \ 9 \end{array}$$

b e: 800

$$\begin{array}{r} 8 \ 9 \ 1 \ 7 \\ - 8 \ 9 \\ \hline 8 \ 0 \ 8 \end{array}$$

c e: 3,800

$$\begin{array}{r} 3 \ 11 \ 1 \ 8 \\ \cancel{4} \ \cancel{2} \ 1 \ 8 \\ - 3 \ 7 \ 5 \\ \hline 3 \ 8 \ 4 \ 3 \end{array}$$

d e: 5,100

$$\begin{array}{r} 5 \ 8 \ 10 \ 1 \ 6 \\ \cancel{6} \ \cancel{9} \ \cancel{1} \ 6 \\ - 7 \ 2 \ 8 \\ \hline 5 \ 1 \ 8 \ 8 \end{array}$$

e e: 1,900

$$\begin{array}{r} 4 \ 13 \ 1 \ 1 \\ \cancel{5} \ \cancel{4} \ 1 \ 1 \\ - 3 \ 4 \ 6 \ 1 \\ \hline 1 \ 9 \ 5 \ 0 \end{array}$$

1f e: 6,000

$$\begin{array}{r} 8 \ 3 \ 17 \ 8 \ 1 \ 0 \\ - 2 \ 0 \ 9 \ 3 \\ \hline 6 \ 3 \ 8 \ 7 \end{array}$$

g e: 29,000

$$\begin{array}{r} 2 \ 11 \ 1 \ 5 \ 1 \ 3 \\ \cancel{3} \ \cancel{2} \ 1 \ 5 \ 1 \ 3 \\ - 3 \ 2 \ 1 \ 6 \\ \hline 2 \ 8 \ 9 \ 4 \ 7 \end{array}$$

h e: 87,000

$$\begin{array}{r} 9 \ 8 \ 6 \ 15 \ 1 \ 2 \\ - 1 \ 1 \ 3 \ 9 \ 6 \\ \hline 8 \ 7 \ 3 \ 6 \ 6 \end{array}$$

2a–d Answers will vary.

- 3a £4,622
 b £3,959
 c £1,530
 d Yes – £1,134 cheaper.

4 Answers will vary.
 A mental strategy would be easier than trading the 0s.

Pages 24–25

1a e: 80

$$\begin{array}{r} 6 \ 4 \ 1 \ 6 \\ + 1 \ 7 \ 1 \ 7 \\ \hline 8 \ 1 \ 3 \ 3 \\ \hline \end{array}$$

1 1

b e: 96

$$\begin{array}{r} 8 \ 4 \ 9 \ 6 \\ + 1 \ 2 \ 3 \ 9 \\ \hline 9 \ 7 \ 3 \ 5 \\ \hline \end{array}$$

1 1

Series G – Addition and Subtraction

Pages 24–25

1c **e:** 120

$$\begin{array}{r} 98.62 \\ + 19.38 \\ \hline 118.00 \\ \hline 111 \end{array}$$

d **e:** 50

$$\begin{array}{r} 31.66 \\ + 17.69 \\ \hline 49.35 \\ \hline 11 \end{array}$$

2a **e:** 4

$$\begin{array}{r} 8.316 \\ - 4.27 \\ \hline 4.19 \end{array}$$

b **e:** 2

$$\begin{array}{r} 8.118 \\ - 7.36 \\ \hline 1.82 \end{array}$$

c **e:** 1

$$\begin{array}{r} 9.011 \\ - 8.02 \\ \hline 1.09 \end{array}$$

d **e:** 2

$$\begin{array}{r} 8.188 \\ - 7.93 \\ \hline 1.95 \end{array}$$

2e **e:** 3

$$\begin{array}{r} 5.169 \\ - 3.99 \\ \hline 2.70 \end{array}$$

f **e:** 1

$$\begin{array}{r} 7.101 \\ - 7.32 \\ \hline 0.79 \end{array}$$

3 55p or £0.55

4 Café Uno: £13.50
Bill's Burgers: £16.85
Sushi Heaven: £14.00
Pete's Pizza: £26.50

5a Bill's Burgers was cheaper by £9.65.

b Cafe Uno – cheapest;
Pete's Pizza – most expensive.
It cost £13 more.

c £29.15

Page 26

1a Total population 50,762,900
4,450,620 more males

b Matilda weighs 31.5 kg.
Mass of family is 258.5 kg.

c 59,570,000 km

d 273 blocks

e They each received £16.;
He owes £2.75.

Page 27

Date	Transaction	Withdrawals	Deposits	Balance
30 Oct 2014	Opening balance			3596.84
01 Nov 2014	Salary/pay		1546.97	5143.81
05 Nov 2014	Groceries	123.98		5019.83
05 Nov 2014	Gas	67.45		4952.38
06 Nov 2014	New clothing	125.40		4826.98
08 Nov 2014	Municipal tax	845.00		3981.98
10 Nov 2014	Deposit		345.78	4327.76
11 Nov 2014	Account fee	5.00		4322.76
13 Nov 2014	Electricity bill	674.65		3648.11
15 Nov 2014	Salary/pay		1546.97	5195.08
	Opening Balance	Total Debits	Total Credits	Closing Balance
	\$3596.84	\$1841.48	\$3439.72	\$5195.08

What to do next

a See table.

b See table.

c Deposit

d £1,598.24

e £3,093.94

f £1,519.65

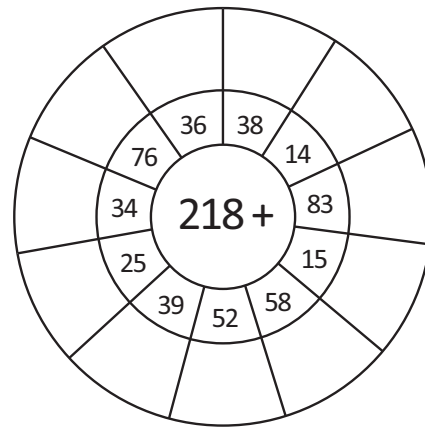
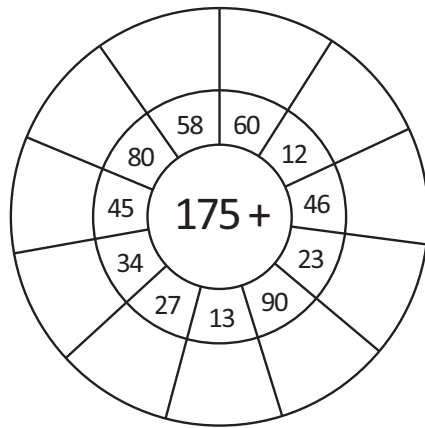
Page 28

Answers will vary.

Mental strategies – addition

Name _____

1 Complete these addition wheels.



2 Show how you would solve $26.7 + 4.4$ using:

Jump strategy

Split strategy

Compensation strategy

Skills	Not yet	Kind of	Got it
• Calculates basic addition facts			
• Demonstrates mental addition strategies for: Jump <input type="checkbox"/> Split <input type="checkbox"/> Compensation <input type="checkbox"/>			

Mental strategies – subtraction

Name _____

1 Complete this subtraction grid:

	18	72	53.2	48	16.5	9.1	100
- 2.9							

2 Show how you would solve $375 - 128$ using:

Bump strategy

Split strategy

Compensation strategy

Skills	Not yet	Kind of	Got it
• Calculates basic subtraction facts			
• Demonstrates mental subtraction strategies for: Bump <input type="checkbox"/> Split <input type="checkbox"/> Compensation <input type="checkbox"/>			

1 Read the problems below carefully. Complete each section of each problem. Use any strategy or written method that you find the easiest.

<p>a Max is reading an exciting book that is 316 pages long. If he has read 79 pages, how many does he have left to read?</p>	<p>My estimate:</p> <p>My working out:</p>
<p>What do I need to find out?</p>	
<p>b 645 pupils go to Cherry Lane Primary School. If there are 125 pupils in nursery and reception, and 378 in the infants, how many are in the juniors?</p>	<p>My estimate:</p> <p>My working out:</p>
<p>What do I need to find out?</p>	
<p>c Jack ran 6.75 km on Monday, 4.67 km on Wednesday and 8.85 km on Saturday. How far short of his training program is he if he should be running 25 km in a week?</p>	<p>My estimate:</p> <p>My working out:</p>
<p>What do I need to find out?</p>	

Skills	Not yet	Kind of	Got it
<ul style="list-style-type: none"> Solves addition and subtraction problems using own strategy or written method 			
<ul style="list-style-type: none"> Identifies the question 			
<ul style="list-style-type: none"> Provides a reasonable estimate 			

1 Complete these addition problems. Write an estimate for each:

a

e: _____				
	Th	H	T	O
	2	9	3	2
+		5	9	9

b

e: _____				
	Th	H	T	O
	5	3	4	2
+		3	6	7

c

e: _____				
	Th	H	T	O
	2	6	7	8
-		5	6	5

d

e: _____				
	Th	H	T	O
	3	4	2	3
+		7	8	7

e

e: _____				
	Th	H	T	O
	6	4	7	8
-		3	8	8

f

e: _____				
	Th	H	T	O
	5	7	9	3
+		4	7	8

g

e: _____					
	H	T	O	T	H
		6	3	• 2	3
-		4	6	• 0	8

h

e: _____				
	T	O	T	H
	5	6	• 2	
+	2	5	• 1	6

i

e: _____				
	T	O	T	H
		9	• 5	1
-		4	• 3	9

Skills	Not yet	Kind of	Got it
• Solves addition and subtraction problems using a written algorithm			
• Adds and subtracts decimals in an algorithm			
• Provides a reasonable estimate			

Series G – Addition and Subtraction – Student Progress Record

Name _____ Class _____ Date _____

What went well: _____

What I need to improve: _____



Series G – Addition and Subtraction – Student Progress Record

Name _____ Class _____ Date _____

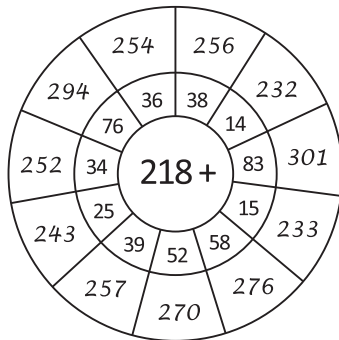
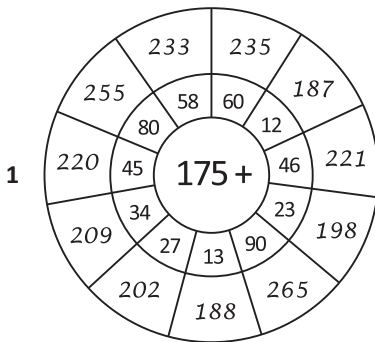
What went well: _____

What I need to improve: _____

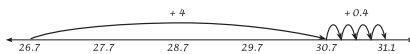
Series G – Addition and Subtraction

ASSESSMENT ANSWERS

Page 1



2 Jump strategy



$$26.7 + 4.4 = 31.1$$

Split strategy

$$\begin{aligned} 26.7 + 4.4 \\ = (26 + 4) + (0.7 + 0.4) \\ = 30 + 1.1 \\ = 31.1 \end{aligned}$$

Compensation strategy

$$\begin{aligned} 26.7 + 4.4 \\ \rightarrow 27 + 4.4 - 0.3 \\ = 31.4 - 0.3 \\ = 31.1 \end{aligned}$$

Page 2

1

	18	72	53.2	48	16.5	9.1	100
-2.9	15.1	69.1	50.3	45.1	13.6	6.2	97.1

2 Bump strategy

$$\begin{array}{r} 375 - 128 \\ \downarrow \quad \downarrow \\ + 2 + 2 \\ 377 - 130 = 247 \end{array}$$

Split strategy

$$\begin{aligned} 375 - 128 \\ \rightarrow 375 - 100 = 275 \\ 275 - 20 = 255 \\ 255 - 8 = 247 \\ 375 - 128 = 247 \end{aligned}$$

Compensation strategy

$$\begin{aligned} 375 - 128 \\ \rightarrow 375 - 130 + 2 \\ = 245 + 2 \\ = 247 \\ 375 - 128 = 247 \end{aligned}$$

Page 4

1a e:

3,600

	Th	H	T	O
	2	9	3	2
+		5	9	9
	3	5	3	1
	1	1	1	

b e:

5,700

	Th	H	T	O
	5	3	4	2
+		3	6	7
	5	7	0	9
				1

Page 3

1 a	Max is reading an exciting book that is 316 pages long. If he has read 79 pages, how many does he have left to read?	My estimate: 240 My working out: $316 - 1 + 80 = 237 = 1 + 236$
	What do I need to find out? <i>The pages left to read.</i>	<i>Max has 237 pages left to read.</i>
b	645 pupils go to Cherry Lane Primary School. If there are 125 pupils in nursery and reception, and 378 in the infants, how many are in the juniors?	My estimate: 150 My working out: $378 + 125 \rightarrow 380 + 125 - 2 = 505 - 503 = 2$ $645 - 503 \rightarrow 645 - 145 = 500$ $145 - 142 = 3$
	What do I need to find out? <i>The number of pupils in the upper primary.</i>	<i>There are 142 pupils in the juniors.</i>
c	Jack ran 6.75 km on Monday, 4.67 km on Wednesday and 8.85 km on Saturday. How far short of his training program is he if he should be running 25 km in a week?	My estimate: 5 My working out: $6 \cdot 7 \quad 5$ $4 \cdot 6 \quad 7$ $+ \quad 8 \cdot 8 \quad 5$ <hr/> $2 \quad 0 \cdot 2 \quad 7$ <hr/> $2 \quad 1$ $25 - 4.73 = 20.27$
	What do I need to find out? <i>The gap between how far Jack ran and how far he needs to run.</i>	<i>Jack is 4.73 km short of his program.</i>

Series G – Addition and Subtraction

Page 4

1c e: 2,100

	Th	H	T	O
	2	6	7	8
-		5	6	5
	2	1	1	3

d e: 4,200

	Th	H	T	O
	3	4	2	3
+		7	8	7
	4	2	1	0
	1	1	1	

e e: 6,100

	Th	H	T	O
	6	³ 4	¹ 7	8
-		3	8	8
	6	0	9	0

f e: 6,200

	Th	H	T	O
	5	7	9	3
+		4	7	8
	6	2	7	1
	1	1	1	

g e: 18.00

	H	T	O	T	H
		⁵ 6	¹ 3	¹ 2	¹ 3
-		4	6	0	8
		1	7	1	5

h e: 80

	T	O	T	H
	5	6	•	2
+	2	5	•	1 6
	8	1	•	3 6
				1

i e: 5.00

	T	O	T	H
		9	⁴ 5	¹ 1
-		4	•	3 9
		5	•	1 2

Series G – Addition and Subtraction

Topic	Reference	Strand	Substrand	Objective
Mental Strategies	6C6	Number	Calculation	Perform mental calculations, including with mixed operations and large numbers.
Applying Strategies	6C4	Number	Calculation	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
Written Methods	6C3	Number	Calculation	Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.
All	6C8	Number	Calculation	Solve problems involving addition, subtraction, multiplication and division.