UNIT
2

Unit *2* Answers

Section 1

Putting numbers into words

1 Numbers and words

1	2 0 1	two hundred and one
2	**2 1 0**	two hundred and ten
3	**3 0 6**	three hundred and six
4	5 3 0	five hundred and thirty
5	**6 4 0**	six hundred and forty
6	**7 1 5**	seven hundred and fifteen
7	**9 0 6**	nine hundred and six
8	**9 6 0**	nine hundred and sixty
9	**3 4 6**	three hundred and forty-six
10	7 2 5	**seven hundred and twenty-five**
11	4 0 3	**four hundred and three**
12	6 7 0	**six hundred and seventy**
13	1 2 0 4	one thousand, two hundred and four
14	**2 0 0 5**	two thousand and five
15	**2 0 5 0**	two thousand and fifty
16	**3 1 0 3**	three thousand, one hundred and three
17	**3 1 3 0**	three thousand, one hundred and thirty
18	2 5 0 0	two thousand, five hundred
19	**2 5 0 4**	two thousand, five hundred and four
20	**2 5 4 0**	two thousand, five hundred and forty
21	**6 0 1 0**	six thousand and ten
22	4 0 0 9	**four thousand and nine**
23	3 1 0 0	**three thousand, one hundred**
24	7 0 2 3	**seven thousand and twenty three**
25	2 4 5 3 4 6	**two hundred and forty five thousand, three hundred and forty six**
26	2 4 3 2 0 3 0	**two million, four hundred and thirty two thousand and thirty**

Unit *2* Answers

Section 2 — Multiplying and dividing by 10 and 100

1 Multiplying whole numbers by 10 and 100

1	**50**	4	**8300**	7	**23**
2	**420**	5	**1500**	8	**1010**
3	**100**	6	**10**		

2 Dividing whole numbers by 10 and 100

1	**6**	4	**31**	7	**10**
2	**35**	5	**20**	8	**10**
3	**490**	6	**1500**		

3 Multiplying and dividing by 10 and 100

1	**210**	6	**10**
2	**3000**	7	**10**
3	**4**	8	**10**
4	**60**	9	**27**
5	**100**	10	**2700**

Section 3 — Positive and negative numbers

1 Winter weather

1

4°C →

1°C →

−2°C →

−4°C →

← 5°C

← 0°C

← −5°C

2 **−1°C**

3 **−5°C**

4 **3°C**
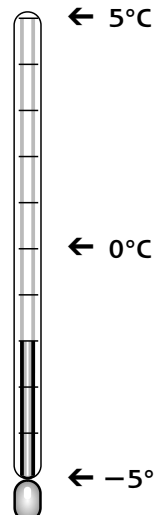
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Unit **2** Answers

Positive and negative numbers *continued*

2 A cold night

   1 **9 pm**   *2* **6 am**   *3* **fall**   *4* **3°**

3 Comparing temperatures

   1 **South West**   *5* **London**

   2 **Scottish Highlands**   *6* **West Midlands**

   3 **4°**   *7* **2°**

   4 **8°**

Section 4   **Addition**

1 Addition

1	**794**	*2*	**768**	*3*	**698**
4	**896**	*5*	**579**	*6*	**888**
7	**269**	*8*	**579**	*9*	**392**
10	**5810**	*11*	**2666**	*12*	**8707**

Section 5   **Subtraction**

1 Subtraction 1

A	*1* **342**	*2* **422**	*3* **436**
B	*1* **339**	*2* **315**	
C	*1* **475**	*2* **484**	
D	*1* **319**	*2* **636**	*3* **258**

2 Subtraction 2

1	**114**	*2*	**212**	*3*	**216**
4	**546**	*5*	**318**	*6*	**311**
7	**207**	*8*	**187**	*9*	**584**
10	**387**	*11*	**89**		

Unit **2** Answers

Section 6 | **Calculating with money**

1 Pounds and pence

1	**£0.60**	4	(a) **25p**	(b) **12p**	(c) **80p**	(d) **8p**
2	**£0.08**	5	(a) **£0.75**	(b) **£0.20**	(c) **£0.09**	(d) **£0.82**
3	**£0.31**					

2 Checking your bill

1	£2.45	2	£6.40	3	£1.65	4	£3.45
	£0.90		**£0.95**		£2.68		£1.23
	£1.30		**£0.30**		**£0.84**		**£0.52**
	£4.65		**£7.65**		**£5.17**		**£5.20**

Section 7 | **Addition and subtraction problems**

1 Do you add or subtract?

1 Calculation: $53 - 35 =$ **18**   Answer: **Dave had £18 left.**

2 Calculation: $68 + 87 =$ **155**   Answer: **There are 155 students in Year 7.**

3 Calculation: $137 - 89 =$ **48**   Answer: **48 students are absent.**

4 Calculation: $75 + 50 =$ **125**   Answer: **Stella had £125.**

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Unit 2 Answers

Star Challenge answers

1 Which of these numbers is... ? | All correct 1 star |

1	**4001**	**4**	**2070**
2	**4 001 000**	**5**	**2 000 007**
3	**4 001 100**	**6**	**2007**

2 Making numbers to order | All correct 1 star |

1 **8643 eight thousand, six hundred and forty three**

2 **14 579 fourteen thousand, five hundred and seventy nine**

3 **86 520 eighty six thousand, five hundred and twenty**

3 × and ÷ puzzles | 18-19 correct 2 stars
16-17 correct 1 star |

1 43**0** ÷ 10 = **43**

2 **7**5**0** ÷ 10 = **75**

3 **450**

4 52 × 100 = **52**0**0**

5 730**0** ÷ 10 = **7**30

6 4**03**0 ÷ 10 = **40**3

7 (a) **0**   (b) **6**

8 (a) **0**   (b) **no** (c) **3800**

4 Multiplying in your head | 27–38 correct 2 stars
25-26 correct 1 star |

1	6 × 20 =	**120**	**16**	8 × 4000 =	**32 000**
2	7 × 30 =	**210**	**17**	6 × 200 =	**1200**
3	7 × 40 =	**280**	**18**	8 × 400 =	**3200**
4	8 × 30 =	**240**	**19**	30 × 20 =	**600**
5	5 × 50 =	**250**	**20**	20 × 40 =	**800**
6	4 × 90 =	**360**	**21**	50 × 60 =	**3000**
7	3 × 400 =	**1200**	**22**	80 × 30 =	**2400**
8	2 × 700 =	**1400**	**23**	40 × 60 =	**2400**
9	5 × 600 =	**3000**	**24**	80 × 60 =	**4800**
10	7 × 300 =	**2100**	**25**	50 squared =	**2500**
11	6 × 300 =	**1800**	**26**	20 squared =	**400**
12	2 × 3000 =	**6000**	**27**	30 squared =	**900**
13	5 × 5000 =	**25 000**	**28**	70 squared =	**4900**
14	7 × 2000 =	**14 000**	**29**	200 squared =	**40 000**
15	6 × 6000 =	**36 000**	**30**	80 squared =	**6400**

Unit **2** Answers

STAR CHALLENGE

Star Challenge answers *continued*

5 Temperature differences

9 correct	2 stars
7-8 correct	1 star

1 **South East**

2 **West Midlands**

3 **North East**

4 **11°**

5 **Scottish Highlands**

6 **South Wales**

7 **4°**

8 (a) **fall** (b) **5°**

6 Addition arithmogons

6 correct	2 stars
5 correct	1 star

1

246

385 **302**

139 - - **195** - - 56

2

406

785 **1679**

379 - - **1652** - - 1273
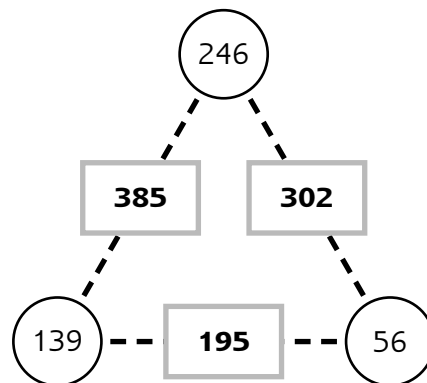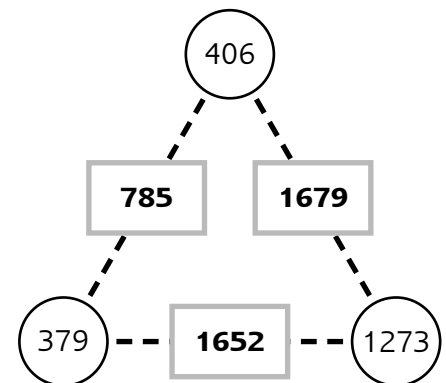
7 Add or subtract?

13-14 correct	2 stars
11-12 correct	1 star

1 $42 + 25 = \mathbf{67}$

2 $42 + \mathbf{17} = 59$

3 $32 + \mathbf{15} = 47$

4 $56 + 13 = \mathbf{69}$

5 $39 + \mathbf{31} = 70$

6 $51 + 26 = \mathbf{77}$

7 $4 + 5 = 7 + \mathbf{2}$

8 $10 - 4 = 4 + \mathbf{2}$

9 $12 + 5 = 20 - \mathbf{3}$

10 $15 + \mathbf{6} = 17 + 4$

11 $12 + 8 = \mathbf{15} + 5$

12 $46 + \mathbf{4} = 25 + 25$

13 $25 - 6 = 10 + \mathbf{9}$

14 $21 + 14 = 42 - \mathbf{7}$

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Unit **2** Answers

Star Challenge answers   *continued*

8 Find the missing digits

All correct 1 star

1
```
    3 4
  +  5 [7]
  _____
    9 1
```

2
```
    3 [4] 8
  +  2 6 [3]
  _____
    6 1 1
```

3 There are six possible answers:

[6] 6 5 + [1] 8 2 = 8 4 7

[1] 6 5 + [6] 8 2 = 8 4 7

[2] 6 5 + [5] 8 2 = 8 4 7

[5] 6 5 + [2] 8 2 = 8 4 7

[3] 6 5 + [4] 8 2 = 8 4 7

[4] 6 5 + [3] 8 2 = 8 4 7

9 Find the mistakes

11-12 correct 1 star

1
£4.25
£0.80
£1.90
_____
£6.95
_____

2
£3.95
£1.40
£0.65
_____
£6.00
_____

3 Mistake 1: **6 cakes at 30p each cost £1.80, not £1.08**

Mistake 2: **4 packets of crisps cost 0.64, not £6.40**. The correct bill is:

£1.60
£1.80
£0.64
£0.75
_____
£4.79
_____

10 Meet the @ symbol

15-16 correct 2 stars
10-14 correct 1 star

1 **30p**

2 **£1.00**

3 **£1.20**

4 **£1.20**

5 **48p**

6 **£12**

7
£9.80
£3.36
£5.30
£0.48
_____
£18.94
_____

8
£3.90
£1.25
£0.48
£0.70
£0.25
_____
£6.58
_____

Unit **2** Answers

Star Challenge answers   *continued*

11 More difficult word problems

20 marks	3 stars
17-19 marks	2 stars
13-16 marks	1 star

1   Calculation: $375 - 240 =$ **135**

Answer: **Dave had £135 left**

2   Calculation: $264 + 37 =$ **301**

Answer: **Sue now has £301 in the bank**

3   Calculation: $417 - 50 =$ **367**

Answer: **Carl has £367 left in the bank**

4   Calculation: $635 - 542 =$ **93**

Answer: **Mary needs another £93**

5 (a) Calculation: $76 + 58 =$ **134**

Answer: **There are 134 students in Y9**

(b) Calculation: $134 - 97 =$ **37**

Answer: **There were 37 students absent**

6   Calculation: $2050 - 1997 =$ **53**

Answer: **Ella will be 53 in 2050**

7   Calculation: $585 - 235 =$ **350**

Answer: **Eddy had £350 left**

8 (a) Calculation: $265 + 182 + 29 =$ **476**

Answer: **Ben spent £476 altogether**

(b) Calculation: $500 - 476 =$ **24**

Answer: **Ben had £24 left**