

# Answers

## Number and place value

### Place value of whole numbers (page 6)

- 9 hundred, 9 thousand, 9 tens, 9 hundred thousand
- Award 2 marks for all four correct  
Award 1 mark for any three correct
 

7 thousand	1,233,420
900 thousand	597,302
30 thousand	3,095,799
3 million	979,200
- Any two numbers that use all the digit cards to make two numbers between 5,750 and 6,250 (e.g. 5,780 and 6,134)
- 3,463,400 and 3,483,400
- 9,000

### Comparing and ordering whole numbers (page 7)

- $34,601 > 34,599$
  - $709,898 < 709,988$
- 940,500g    904,500g    95,400g    94,500g    9,500g
- e.g. 2,510,500    2,519,585    2,605,250    2,606,125
- All years must be ordered correctly.

	Year
Greatest number of visitors	2012
	2010
	2009
	2013
	2014
Fewest number of visitors	2011

### Rounding (page 8)

- 4 for 78 and 0; 1; 2; 3; or 4 for 50
- i) 130 cm    ii) 100 cm    iii) 540 cm
- 952; 1,045; 1,009
- Award 2 marks for all correct.  
Award 1 mark for at least six correct.

	To the nearest 10	To the nearest 1,000	To the nearest 10,000
45,419	45,420	45,000	50,000
234,549	234,550	235,000	230,000
3,126,095	3,126,100	3,126,000	3,130,000

- a) 5,745    b) 5,749

### Place value of decimal numbers (page 9)

- 10
  - 60
  - 1.93; 1.83; 1.78
  - 2.59; 2.68; 2.77; 2.86; 2.95
  - 0.048
  - Award 2 marks for an explanation that:
    - a count in steps of  $\frac{1}{2}$  must start on a whole number or a half in order for it to include zero
    - the next number in the count would be 5.2 and it needs to be 5 for it to include zero.
- Award 1 mark that recognises that 0.7 would not be in a count of halves when counting from zero, but does not refer to 5.7 in any way.
- Do not award any marks for an answer that restates the question and says that if Finlay did the count he wouldn't end on zero.

- 1; -5
- 5 levels
- 7°C

- Two different pairs, e.g. 10 and -1, 9 and -2, 8 and -3, 7 and -4, 6 and -5, 5 and -6
    - Award 2 marks for a response of NO, and an explanation to show that either:
      - 11 and 0 have a difference of 11 but 0 is not a negative number
      - one of the numbers has to be negative and 0 is not negative (implied that 0 and 11 have the required difference).
- Award 1 mark for an explanation that one number has to be negative but not including 0 in the response or for assuming that 0 is positive because it has no negative sign (0 is neither negative nor positive).
- Do not award any marks for only identifying 11 and 0.

## Number – Addition, subtraction, multiplication and division

### Addition (page 11)

- 800
- 121,483
- a) 15,476  
b) 22,074

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$$\begin{array}{r} 3948 \\ + 2145 \\ \hline 6093 \end{array}$$

- Award 2 marks for correct answer £550,696.  
Award 1 mark for evidence of appropriate working but with an incorrect answer.  
Do not award any marks if a final answer is missing.

### Subtraction (page 12)

- 10,924
- 160,000
- 29,138
- 113,686

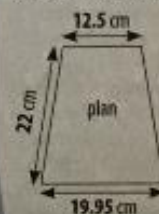
5

$$\begin{array}{r} 40886 \\ - 24637 \\ \hline 16249 \end{array}$$

### Multiplying and dividing by 10 and 100 (page 13)

- 23,500
  - 100
  - 0.99
- $456 \times 100$  → 45  
 $45.6 \div 10$  → 0.456  
 $0.45 \times 100$  → 4.56  
 $4.56 \div 10$  → 45,600

- Award 2 marks for all three correct.  
Award 1 mark for any two correct.



Parcel A is 25 kg and Parcel B is 2.5 kg.