FOUNDATION

1.1 Addition and Subtraction: 1-hour Pack

EDEXCEL 1MA1 · Calculator allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Beth buys 2 items costing £3.10 and £3.10. Beth pays with a £20 note. Work out how much change Beth should get.

(Total for Question 1 is 3 marks)

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2 Hugo buys 2 items costing £1.99 and £2.49. Hugo pays with a £10 note. Work out how much change Hugo should get.

(Total for Question 2 is 3 marks)

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3 Work out the missing number.

12 + ___ = 20

(Total for Question 3 is 1 mark)

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4 The population of Brenton is 38,029. The population of a smaller town nearby is 6,082.

(a) Work out the difference between the two populations. **(2)**

.....

(b) Work out the total population of the two towns. **(2)**

.....

(Total for Question 4 is 4 marks)

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5 Dina buys 2 items costing £1.99 and £0.85. Dina pays with a £10 note. Work out how much change Dina should get.

(Total for Question 5 is 3 marks)

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6 There are 37 people on a ferry deck. At the next stop 14 people get off and 5 people get on. How many people are on the ferry deck now?

(Total for Question 6 is 2 marks)

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7 The population of Ashby is 77,470. The population of a smaller town nearby is 24,275.

(a) Work out the difference between the two populations. **(2)**

.....

(b) Work out the total population of the two towns. **(2)**

.....

(Total for Question 7 is 4 marks)

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8 Sofia buys 2 items costing £0.75 and £0.99. Sofia pays with a £20 note. Work out how much change Sofia should get.

(Total for Question 8 is 3 marks)

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9 The population of Calder is 27,138. The population of a smaller town nearby is 9,118.

(a) Work out the difference between the two populations. **(2)**

.....

(b) Work out the total population of the two towns. **(2)**

.....

(Total for Question 9 is 4 marks)

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10 Work out 356 + 478.

(Total for Question 10 is 2 marks)

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11 Work out 604 - 278.

(Total for Question 11 is 2 marks)

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12 Amara buys a sandwich costing £2.45 and a drink costing £1.20.
Work out the total cost.

(Total for Question 12 is 2 marks)

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13 Priya has £10. She spends £7.85 on a book.
Work out how much money she has left.

(Total for Question 13 is 2 marks)

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14 The temperature at 6am was -4°C. By noon it had risen by 9°C.
Work out the temperature at noon.

(Total for Question 14 is 2 marks)

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15 Work out -3 + (-5).

(Total for Question 15 is 1 mark)

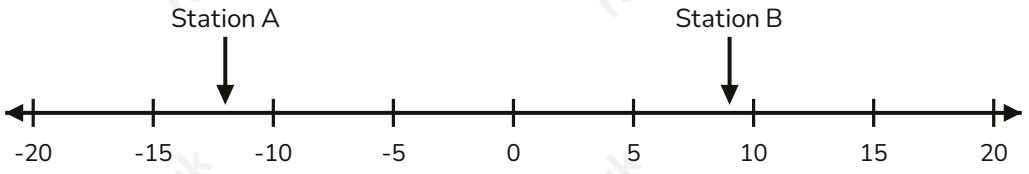
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16 Jamal's savings account balance is -£18 (he is £18 overdrawn). He pays in £45.
Work out his new balance.

(Total for Question 16 is 2 marks)

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17 The number line shows the midday temperature recorded at two weather stations in Scotland.
Station A, near the summit of Ben Nevis, is at -12°C.
Station B, in the valley below, is at 9°C.
Work out the difference between the temperature at Station B and the temperature at Station A.



(Total for Question 17 is 2 marks)

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18 A shop had 84 footballs in stock. During a sale, 37 footballs were sold. A new delivery then added 25 more footballs.
Work out how many footballs the shop has now.

(Total for Question 18 is 3 marks)

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Mark scheme · 1.1 Addition and Subtraction: 1-hour Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

adds the costs	**M1**
subtracts total from 2000p or £20	**M1**
£13.80 cao	**A1**

Answer: £13.80

Question 2

adds the costs	**M1**
subtracts total from 1000p or £10	**M1**
£5.52 cao	**A1**

Answer: £5.52

Question 3

8 cao	**B1**

Answer: 8

Question 4

(a) 38,029 - 6,082	**M1**
(a) 31,947 cao	**A1**

(a) Answer: 31,947

(b) 38,029 + 6,082	**M1**
(b) 44,111 cao	**A1**

(b) Answer: 44,111

Question 5

adds the costs	**M1**
subtracts total from 1000p or £10	**M1**
£7.16 cao	**A1**

Answer: £7.16

Question 6

37 - 14 or 37 + 5 seen	**M1**
28 cao	**A1**

Answer: 28

Question 7

(a) 77,470 - 24,275	**M1**
(a) 53,195 cao	**A1**

(a) Answer: 53,195

(b) 77,470 + 24,275	**M1**
(b) 101,745 cao	**A1**

(b) Answer: 101,745

Question 8

adds the costs	**M1**
subtracts total from 2000p or £20	**M1**
£18.26 cao	**A1**

Answer: £18.26

Question 9

(a) 27,138 - 9,118	**M1**
(a) 18,020 cao	**A1**

(a) Answer: 18,020

(b) 27,138 + 9,118	**M1**
(b) 36,256 cao	**A1**

(b) Answer: 36,256

Question 10

correct method shown, e.g. column addition with at least one carry made, or 356 + 478 (oe)	**M1**
834 cao	**A1**

Answer: 834

Question 11

correct method shown, e.g. column subtraction with at least one correct borrow, or 604 - 278 (oe)	**M1**
326 cao	**A1**

Answer: 326

Question 12

2.45 + 1.20 (oe)	**M1**
3.65 (pounds) cao	**A1**

Answer: £3.65

Question 13

10 - 7.85 (oe)	**M1**
2.15 (pounds) cao	**A1**

Answer: £2.15

Question 14

-4 + 9 (oe)	**M1**
5 (°C) cao	**A1**

Answer: 5°C

Question 15

-8 cao	**B1**

Answer: -8

Question 16

-18 + 45 (oe)	**M1**
27 (pounds) cao	**A1**

Answer: £27

Question 17

9 - (-12) (oe)	**M1**
21 (°C) cao	**A1**

Answer: 21°C

Question 18

84 - 37 (= 47) (oe)	**M1**
"their 47" + 25 (oe), dependent on first M1	**M1**
72 cao	**A1**

Answer: 72 footballs

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