FOUNDATION

1.1 Addition and Subtraction: Test Pack

Total Marks

EDEXCEL 1MA1 · Calculator allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Work out 34 + 25.

(Total for Question 1 is 1 mark)

2 Work out 4.6 + 12.75.

(Total for Question 2 is 2 marks)

3 A museum records the number of visitors over three days:
Monday 245, Tuesday 189, Wednesday 312.
Work out the total number of visitors over the three days.

(Total for Question 3 is 2 marks)

4 In this addition, one digit is missing.
3?4 + 289 = 593
Find the missing digit.

(Total for Question 4 is 2 marks)

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5 Work out 7325.7 - 796.5

(Total for Question 5 is 1 mark)

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6 Work out 121.81 - 32.98

(Total for Question 6 is 1 mark)

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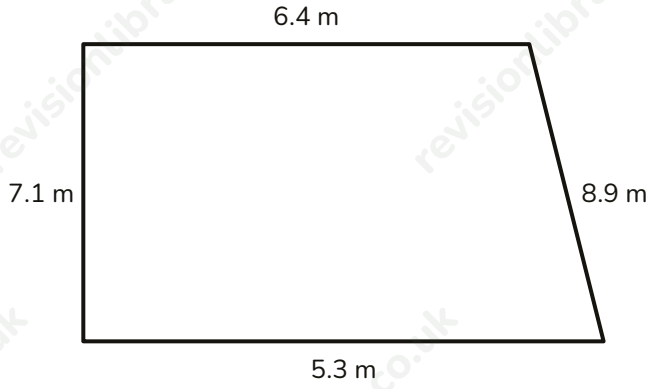
7 Work out 213 + 152.

(Total for Question 7 is 1 mark)

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8 A garden is in the shape of a quadrilateral. The four sides measure 6.4 m, 8.9 m, 5.3 m and 7.1 m.
Work out the perimeter of the garden.

Diagram NOT accurately drawn



(Total for Question 8 is 2 marks)

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9 A pupil's working for 528 + 179 is shown below.

528

+ 179

607

The answer 607 is incorrect.

Work out the correct answer, and state the mistake the pupil made.

	5	2	8
+	1	7	9
	6	0	7

(Total for Question 9 is 3 marks)

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10 Show that 803 - 456 = 347.

(Total for Question 10 is 2 marks)

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11 The rainfall in Keswick was 7.55 mm in May. This was 4.85 mm less than the rainfall in April.

Work out the rainfall in April.

(Total for Question 11 is 2 marks)

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12 Work out 96 - 58.

(Total for Question 12 is 1 mark)

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13 The table shows a market trader's profit or loss, in pounds, for each day of one week.

Day	Profit or loss (pounds)
Monday	+34
Tuesday	-12
Wednesday	+51
Thursday	-8
Friday	+19

(a) Work out the trader's total profit or loss for the five days. **(2)**

.....

(b) Work out how much bigger the trader's profit was on Monday than on Thursday. **(2)**

.....

(Total for Question 13 is 4 marks)

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14 Work out 805 - 297.

(Total for Question 14 is 2 marks)

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15 Work out 12.75 + 4.86.

(Total for Question 15 is 2 marks)

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16 Priya has £27.45. She buys a notebook for £12.99 and a scarf for £7.60.

(a) Work out the total cost of the two items. **(2)**

.....

(b) Work out how much change Priya receives from £27.45. **(2)**

.....

(Total for Question 16 is 4 marks)

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17 Find the missing value.
15,000 + ___ = 23,847

(Total for Question 17 is 2 marks)

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18 Sera adds 4,389 + 2,176 and gets 6,545. Use the inverse to check whether her answer is correct. Carry out the check and state whether she is correct.

(Total for Question 18 is 2 marks)

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19 Chidi is saving for a holiday that costs £41,375. So far, he has saved £26,000. Work out how much more he needs to save to reach his target.

(Total for Question 19 is 2 marks)

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20 A company's bank balance is £42,600. It pays out £17,850 in wages and then receives a payment of £9,275 from a customer. Work out the new balance.

(Total for Question 20 is 2 marks)

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21 Show that 15,847 - 6,928 - 2,619 = 6,300.

(Total for Question 21 is 3 marks)

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Mark scheme · 1.1 Addition and Subtraction: Test Pack

Question 1

59 cao — **B1**

Answer: 59

Question 2

correct method shown, e.g. 4.60 + 12.75 with decimal points aligned (oe) — **M1**

17.35 cao — **A1**

Answer: 17.35

Question 3

adding at least two of the three values correctly, e.g. 245 + 189 (= 434) (oe) — **M1**

746 cao — **A1**

Answer: 746

Question 4

593 - 289 (= 304) (oe) — **M1**

0 cao — **A1**

Answer: 0

Question 5

6529.2 cao — **B1**

Answer: 6529.2

Question 6

88.83 cao — **B1**

Answer: 88.83

Question 7

365 cao — **B1**

Answer: 365

Question 8

adding at least three of the four side lengths correctly, e.g. 6.4 + 8.9 (= 15.3) (oe) — **M1**

27.7 (m) cao — **A1**

Answer: 27.7 m

Question 9

correct column method shown, e.g. 528 + 179 with carries correctly tracked (oe) — **M1**

707 cao — **A1**

correctly identifies the mistake, e.g. the carried 1 into the hundreds column was not added (oe), ft from their correct answer if not 707 — **B1**

Answer: 707 (the pupil did not add the carried 1 into the hundreds column)

Question 10

correct column method shown with at least one correct borrow (oe) — **M1**

fully correct working shown leading to 347, cso — **C1**

Answer: 347 (shown)

Question 11

7.55 + 4.85 (oe) — **M1**

12.4 (mm) cao (oe 12.40) — **A1**

Answer: 12.4 mm

Question 12

38 cao — **B1**

Answer: 38

Question 13

(a) combines at least three of the five values correctly, e.g. 34 - 12 (= 22) (oe) — **M1**

(a) 84 cao — **A1**

(a) Answer: £84 profit (+84)

(b) 34 - (-8) (oe) — **M1**

(b) 42 cao — **A1**

(b) Answer: £42

Question 14

correct column subtraction method shown, with at least one correct borrow or equivalent method — **M1**

508 cao — **A1**

Answer: 508

Question 15

correct column addition with decimal places aligned or equivalent method — **M1**

17.61 cao — **A1**

Answer: 17.61

Question 16

(a) correct addition of 12.99 and 7.60 or equivalent — **M1**

(a) 20.59 cao — **A1**

(a) Answer: £20.59

(b) correct subtraction 27.45 - 20.59 or equivalent method — **M1**

(b) 6.86 cao — **A1**

(b) Answer: £6.86

Question 17

correct subtraction 23,847 - 15,000 or equivalent method — **M1**

8847 cao — **A1**

Answer: 8,847

Question 18

correct inverse subtraction shown, 6545 - 4389 = 2156 — **M1**

conclusion that Sera's answer is incorrect because 2156 is not equal to 2176 — **A1**

Answer: 6545 - 4389 = 2,156 so the answer is incorrect (correct sum is 6,565).

Question 19

correct subtraction 41,375 - 26,000 or equivalent method — **M1**

15375 cao — **A1**

Answer: £15,375

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Question 20

correct method shown using subtraction and addition of the two amounts (any order)	**M1**
34025 cao	**A1**

Answer: £34,025

Question 21

correct calculation of 15,847 - 6,928 (= 8,919) or equivalent first step	**M1**
correct calculation of 8,919 - 2,619, using their value from the first step, leading toward 6,300	**M1**
cso - both steps correct with 6,300 clearly shown as the final line	**A1**

Answer: 6,300 (shown)

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