**1** Write one of these signs in each empty box. You can use each sign more than once.

$$+ \quad = \quad -$$

15 [ ] 73 [ ] 88

73 [ ] 15 [ ] 58

1 mark

**2** Calculate **1202 + 45 + 367**

[ ]

1 mark

**3** Here are five number cards.

[ 4 ] [ 4 ] [ 5 ] [ 8 ] [ 2 ]

Use all five cards to make an addition that has the **answer 500**

[ ] [ ] [ ]

\+ [ ] [ ]
_____
5    0    0

1 mark

**4** Emily chooses two numbers.

She adds the two numbers together and divides the result by 2

Her answer is 44
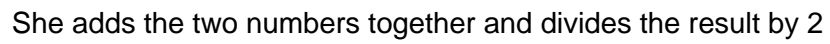
One of Emily's numbers is 12

What is Emily's other number?

Show your method

2 marks

**5** Here are four digit cards.

| 3 | 2 | 6 | 5 |

Write in **three** of the digits to make **the total nearest to 1000**

650 + ☐☐☐ =

1 mark

**6** Three **different** numbers add up to 40

The numbers are all even.

Each number is less than 20

Write what the three **different** numbers could be.

[     ] + [     ] + [     ] = 40

1 mark

**7** 53 689 + 8014 =

[          ]

1 mark

**8** Write what the **two missing digits** could be.

| | 6 | 2 |
|---|---|---|

+

| | 9 | 5 |
|---|---|---|

= 757

1 mark

**9** Write in the **missing** digits.

593 − 20[ ] = 3[ ]1

1 mark

**10**

The number in **A** is **twice** the number in **D**.

The number in **B** is **5 less** than the number in **C**.

The number in **D** is **10 more** than the number in **B**.

Write the missing numbers in this diagram.

| | |
|---|---|
| A  50 | B  ☐ |
| C  ☐ | D  ☐ |

1 mark

Now use the same rule for this diagram.

| | |
|---|---|
| A  ☐ | B  ☐ |
| C  50 | D  ☐ |

1 mark

**11**  345 + 678 − 123 =

☐

1 mark

# Mark schemes

**1**

15 + 73 = 88
73 − 15 = 58
**or**
73 = 15 + 58

*Both correct for **1 mark***

**[1]**

**2**

1614

**[1]**

**3**

| 4 | 4 | 8 |  **or**  | 4 | 5 | 2 |
| 5 | 2 |

**or** | 4 | 5 | 8 |  **or**  | 4 | 4 | 2 |
      | 4 | 2 |              | 5 | 8 |

**[1]**

**4**

Award **TWO** marks for the correct answer of 76

If the answer is incorrect, award **ONE** mark for evidence of appropriate
method, eg
44 × 2 = 88
88 − 12

*Answer need not be obtained for the award of **ONE** mark.*

**Up to 2**

**[2]**

**5**

Numbers completed as shown:

650   +   | 3 | 5 | 2 | =

***Do not** accept digit cards used more than once.*

*Answer to the calculation is not required for award of the mark.*

**[1]**

**6** 18 + 16 + 6

**OR**

18 + 14 + 8

**OR**

18 + 12 + 10

**OR**

16 + 14 + 10

*Numbers may be given in any order.*

[1]

**7** 61 703

[1]

**8** Any two digits which sum to 6, eg

| 4 | 6 | 2 | + | 2 | 9 | 5 |

*Each of the two digits must be shown.*
*Accept 0 as one of the digits.*

[1]

**9** 5 9 3 − 2 0 2 = 3 9 1

*Accept answers elsewhere on the page if boxes are blank.*

[1]

**10** (a)

**A** 50    **B** 15

**C** 20    **D** 25

1

(b)

**A** 110    **B** 45

**C** 50    **D** 55

U1

[2]

**11** 900

[1]