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

+ = –

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

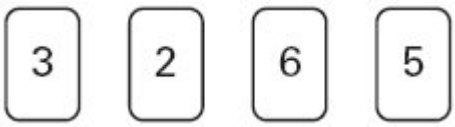
One of Emily's numbers is 12

What is Emily's other number?

Show your method

2 marks

**5.** Here are four digit cards.




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

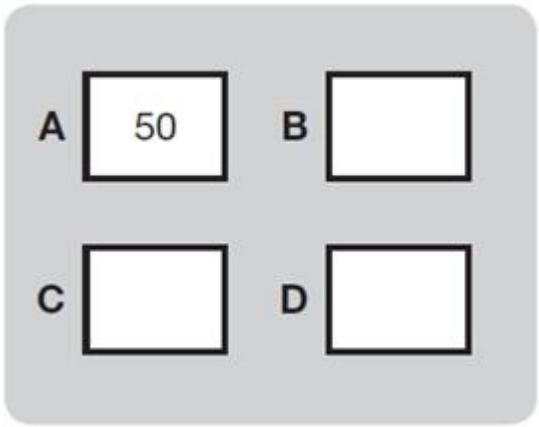
1 mark

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

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

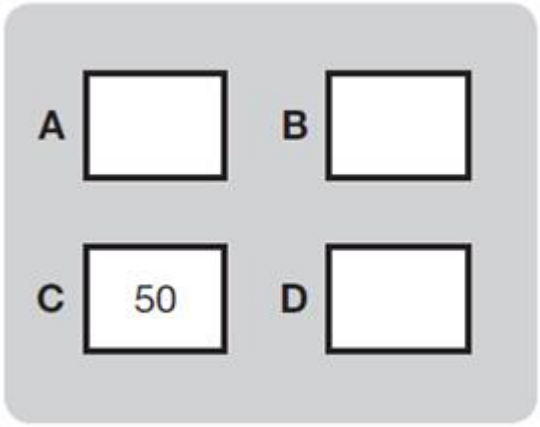
The number in **D** is **10 more** than the number in **B**.

Write the missing numbers in this diagram.




1 mark

Now use the same rule for this diagram.




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***

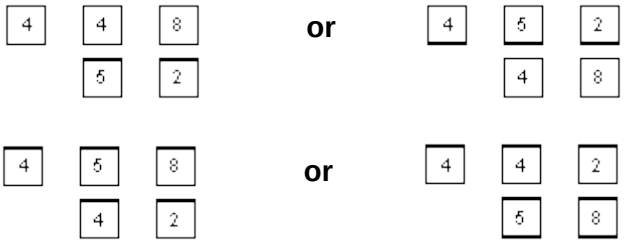
**[1]**

**2.**

1614

**[1]**

**3.**




**[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 +

=

***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]**