1

[2015]

Write in the missing number.

$$1 + 10 + \boxed{} = 100$$

[1 mark]

2

[2005]

Draw lines to join **all the pairs** of number cards which have a **difference of 30**

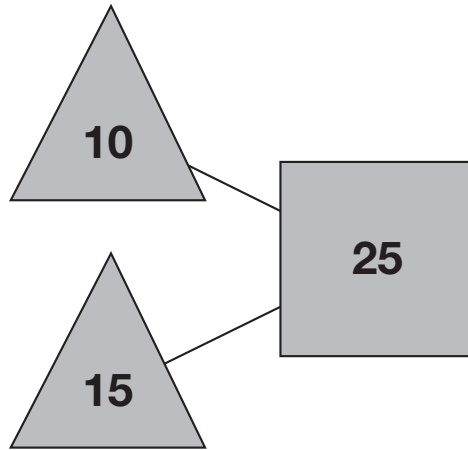One has been done for you.

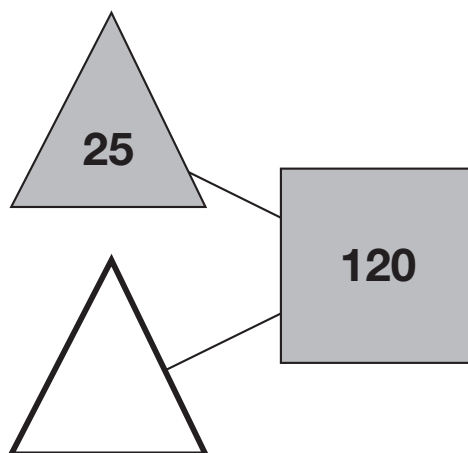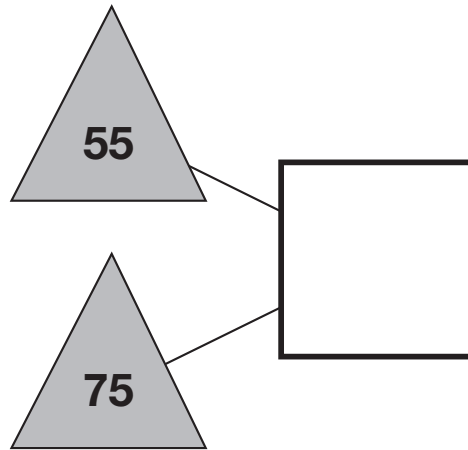| 100 | | 180 |
150		170
200		70
250		330
300		220

[2 marks]

3

The numbers in the two triangles add up to the number in the square.

Using the **same** rule, write in the missing numbers.

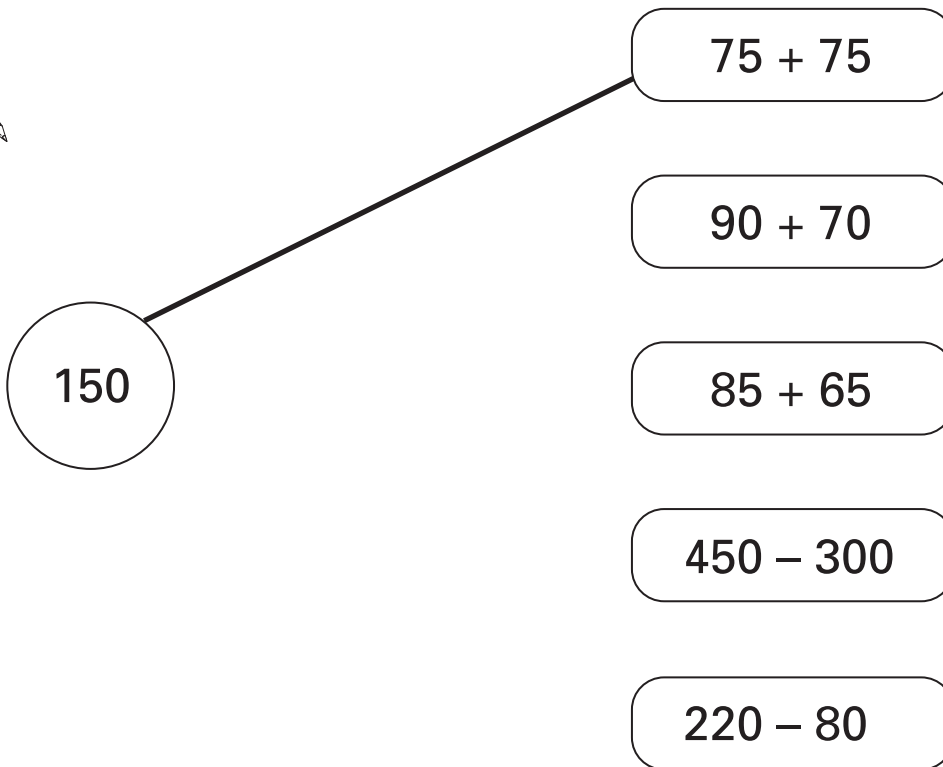

[2 marks]

4

Draw lines to join the circle to **two more** number cards which make **150**

75 + 75

90 + 70

85 + 65

450 – 300

220 – 80

150

[1 mark]

5

Write the missing number.

One is done for you.

180 ⟶ is 20 more than ⟶ 160

⟶ is 20 more than ⟶ 237

[1 mark]

6

[2001]

Circle **three** numbers which **add** to make **190**

10   30   50   70   90

[1 mark]

7

[2000]

Draw a line to join two other numbers which have a **total** of **700**

360   125

225   340

325   440

475

[1 mark]

8

[2009]

Here are four digit cards.

4   6   2   7
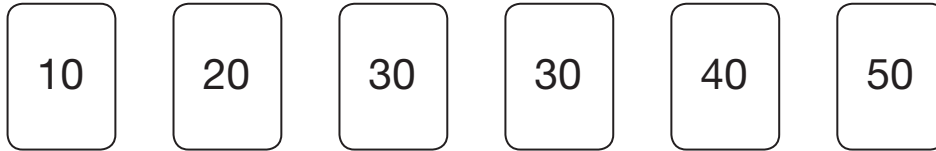
Use all four digit cards to make this sum correct.

☐☐ + ☐☐ = 100

[1 mark]

9

Here are six number cards.

| 10 | 20 | 30 | 30 | 40 | 50 |

Use **all** the number cards to complete the two sums below.

☐ + ☐ = ☐

☐ + ☐ = ☐

[1 mark]

10

Circle **one** number in **each** box to make a total of 1000

150		150
250	200	250
350	400	350
450		450

[1 mark]

11

[2005]

Circle **three** numbers that add to make a **multiple of 10**

11   12   13   14   15   16   17   18   19

[1 mark]

12

[2005]

Circle the numbers that add up to 100

64   32   16   8   4   2   1

[1 mark]

13

[2003]

Here are five digit cards.

| 1 | 2 | 3 | 4 | 5 |

Use all five digit cards once to make this sum correct.

```
        ☐
       ☐ ☐
   + ☐ ☐
   ───────
     6 0
```

[1 mark]

14

Amy chooses two of these cards.

| 11 | 23 | 33 | 43 |

She adds the numbers on her two cards together.
She rounds the result to the nearest 10

Her answer is 60

Which two cards did Amy choose?

and

[1 mark]

15

What's my number?

| ? | ? | ? |

It is a three-digit number.

All the digits are odd.

The digits add up to 7

What could my number be?

[1 mark]

16 [2013]

Here are six digit cards.

| 1 | 2 | 3 | 4 | 5 | 6 |

☐☐ + ☐☐ = 40

[1 mark]

17 [2000]

Write in the missing numbers.

150 + ☐ = 500

172 − ☐ = 60

[2 marks]

18 [2007]

The sum of two numbers is 100

Write in the missing digits.

3☐ + ☐3 = 1 0 0

[1 mark]

19 [2016]

Write the three missing digits to make this **addition** correct.

$$1 \quad 5 \quad \boxed{}$$
$$+ \quad 4 \quad \boxed{} \quad 4$$
$$\overline{\boxed{} \quad 1 \quad 5}$$

[2 marks]

20 [2014]

Circle **three** numbers that add to make 750

450   350   250   150   50

[1 mark]

21 [2006]

Each missing digit in this sum is a **9** or a **1**

Write in the missing digits.

$\boxed{} + \boxed{} + \boxed{} = 201$

[1 mark]

22 [2000]

Write in the missing number.

$60 + 99 + \boxed{} = 340$

[1 mark]

23

This table shows the heights of three mountains.

Mountain	Height in metres
Mount Everest	8,848
Mount Kilimanjaro	5,895
Ben Nevis	1,344

How much higher is Mount Everest than the combined height of the other two mountains?

Show your method

[2 marks]

24

Dev has three discs.

Each disc has a 7 on one side
and an 8 on the other side.

He spins all the discs and adds the three scores together.

How many **different totals** can he get using the three discs?

[1 mark]

This table shows the number of people living in various towns in England.

Town	Population
Bedford	82,448
Carlton	48,493
Dover	34,087
Formby	24,478
Telford	166,640

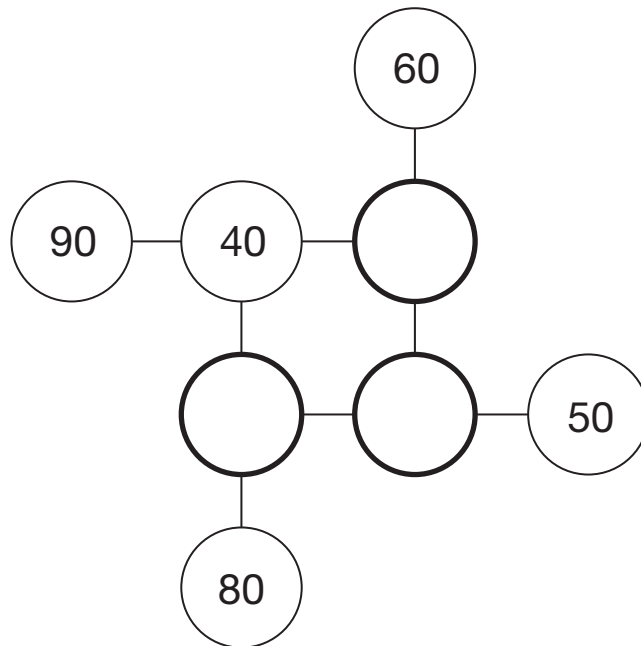What is the **total** of the numbers of people living in Formby and in Telford?

What is the **difference** between the numbers of people living in Bedford and in Dover?

[2 marks]

26

[2006]

Complete this diagram so that the three numbers in each line add up to **150**

[2 marks]

27

[2013]

The table shows the cost of a new football kit.

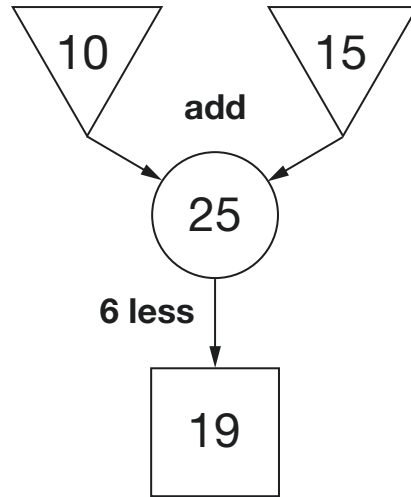| Item	Cost
Shirt	£8.75
Shorts (1 pair)	£5.95
Socks (1 pair)	£4.15

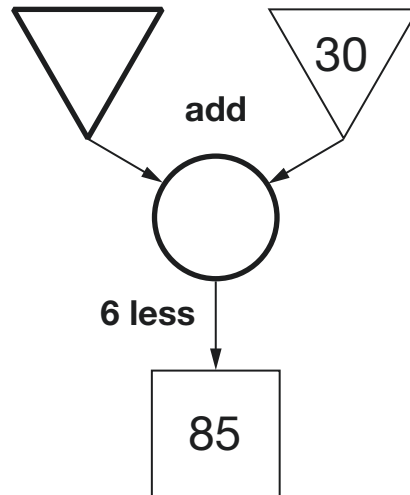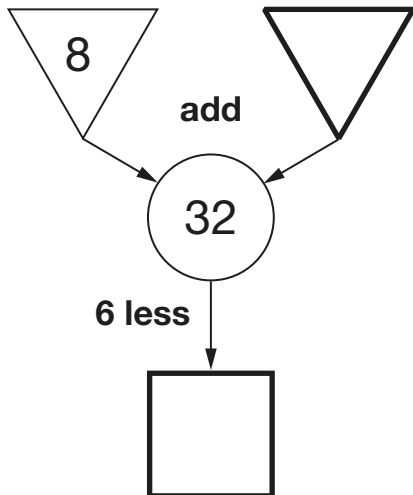Altogether, how much does the complete football kit cost?

£

[1 mark]

28

[2015]

In this diagram, the numbers in the triangles add together to make the number in the circle.

The number in the square is 6 less than the number in the circle.

Write the four missing numbers in these diagrams.

[2 marks]

29

[2014]

In these calculations, each missing sign is a **+** or a **−**

Write the missing signs in the circles.

8 ◯ 7 ◯ 6 ◯ 5 = 2

8 ◯ 7 ◯ 6 ◯ 5 = 4

[2 marks]

30

[2001]

Here are some number cards.

| 4 | | 4 | | 4 |

| 9 | | 9 | | 9 |
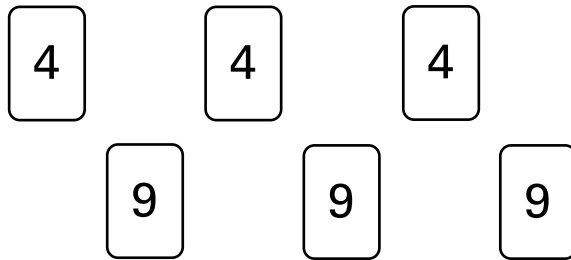
Use **five of the number cards** to make this correct.

☐ ☐ ☐
+ ☐ ☐
—————
5 4 8

[2 marks]

31

Write **two numbers**, each **greater than 100**,
to complete this subtraction.

$$\boxed{\,\,} - \boxed{\,\,} = \boxed{2\,0\,8}$$

[1 mark]

32

The four sums below can be completed using only the numbers 1 to 8

Use each number **once** to complete the sums.

One sum has been done for you.

1   2   3   4   ~~5~~   ~~6~~   7   8

$$1 + \boxed{5} + \boxed{6} = 12$$

$$2 + \boxed{} + \boxed{} = 12$$

$$3 + \boxed{} + \boxed{} = 12$$

$$6 + \boxed{} + \boxed{} = 12$$

[2 marks]

33

A book has five stories in it.

This is the contents page.

Contents

Deep Water finishes on page 68

Which is the longest story?

_____

[1 mark]

34

Here is a number sentence.

$$\boxed{?} \;+\; 27 \;>\; 85$$

Circle **all** the numbers below that make the number sentence correct.

30   40   50   60   70

[1 mark]

35

Write the four missing digits to make this **addition** correct.

```
    ☐ 6 ☐ 8
+   3 ☐ 9 ☐
    ───────
    9 0 1 9
```

[1 mark]

36

Write in the missing digits.

$$4\;\boxed{}\;4 \;+\; 3\;8\;\boxed{} \;=\; 8\;5\;1$$

[1 mark]

[2013]
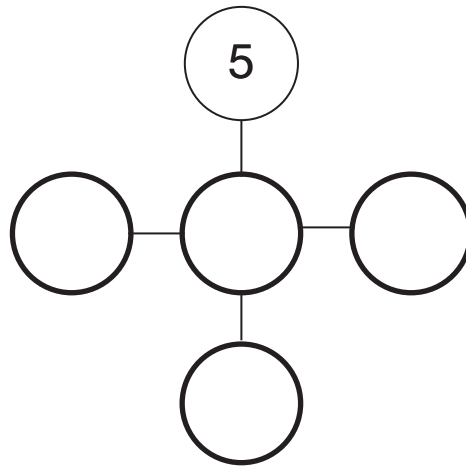
Here are five number discs.

(1)   (3)   (5̸)   (7)   (9)

Look at the cross pattern below.

Use each disc **once** so that the total across is the same as the total down.

One has been done for you.

[1 mark]

38

[2015]

Write the two missing digits.

$\boxed{}\,\boxed{1} - \boxed{2}\,\boxed{} = 34$

[1 mark]

39

[2014]

Write numbers in the boxes to make this calculation correct.

✏ 50 − [ ] = [ ] + 10

[1 mark]

40

[2010]

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]

41

[2002]

Write in what the missing numbers could be.

170 + [ ] = 220 − [ ]

[1 mark]

42

[2004]

Write the **largest** whole number to make this statement true.

✏ 50 + [ ] < 73

[1 mark]

43

[2012]

Three whole numbers add up to 50

Seb says,

'All three numbers must be even numbers.'

Is Seb correct?
Circle **Yes** or **No**.

Yes / No

Explain how you know.

[1 mark]