

1

A car costs **more** than **£8600** but **less** than **£9100**

Tick (✓) the prices that the car could cost.

£8569

£9090

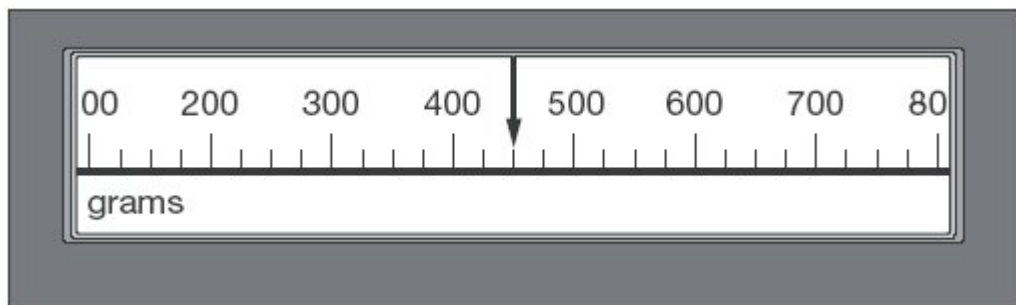
£9130

£8999

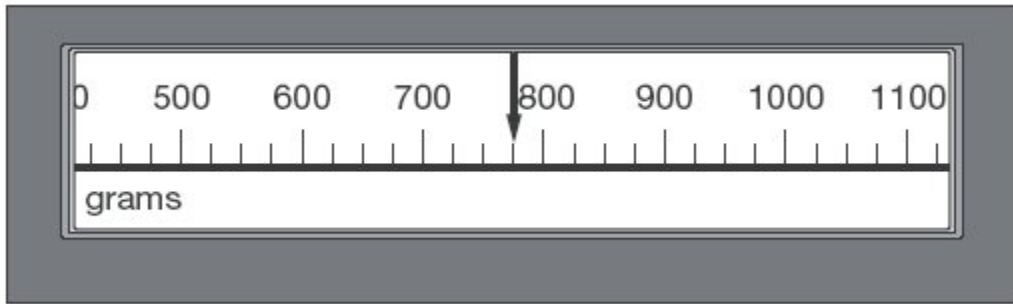
1 mark

2

This scale shows the mass of Amy's kitten when it was one month old.



This scale shows the mass of the kitten when it was two months old.



What is the increase in mass?

1 mark

3 Write the answers to these calculations in Roman numerals.

One has been done for you.

$$V + VI = XI$$

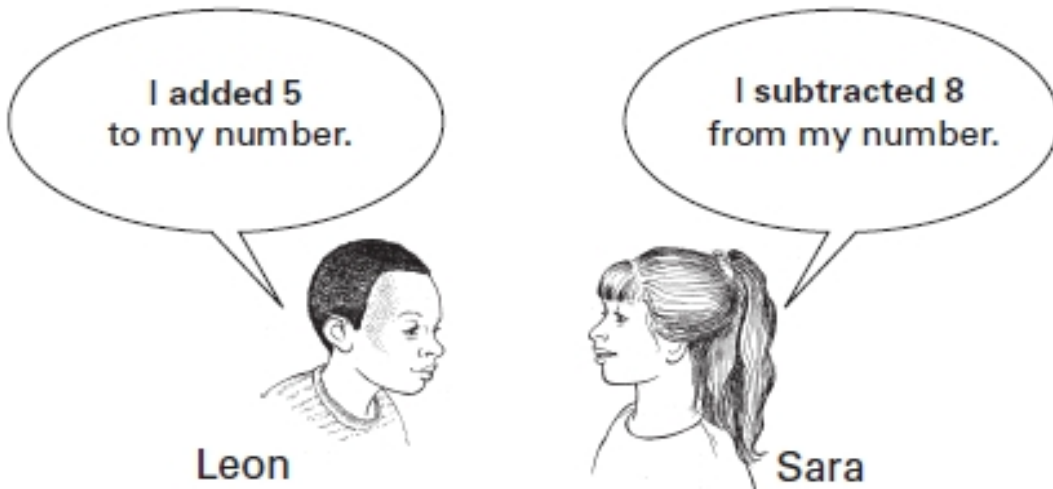
$$IX + XLV = \boxed{}$$

$$XC - XXIV = \boxed{}$$

2 marks

4

Leon and Sara each started with **different** numbers.



Leon and Sara both get the **same** answer.

What numbers could they have started with?

Leon

Sara

1 mark

5

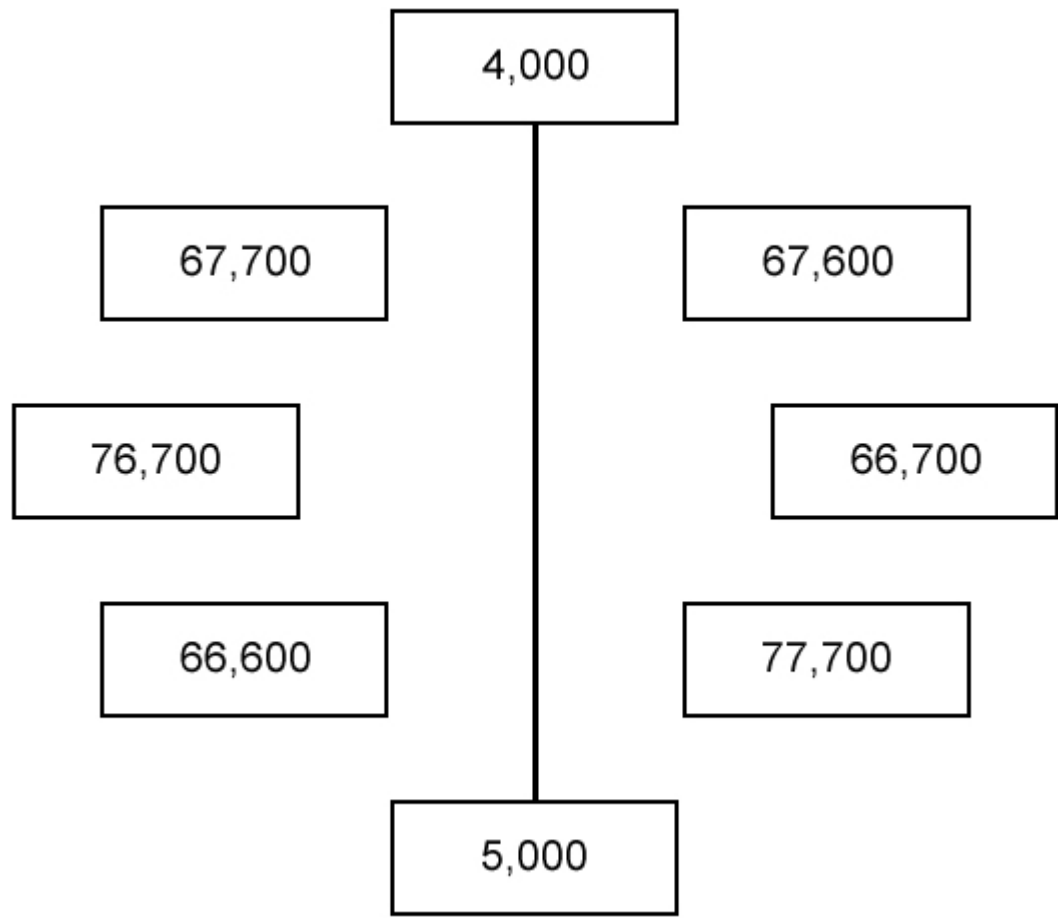
Circle **two** numbers which add up to **150**

63	64	65	66	67
73	74	75	76	77
83	84	85	86	87
93	94	95	96	97

1 mark

6 Match pairs of numbers that have a difference of 1000

One has been done for you.



1 mark

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

$$\begin{array}{rcccccc} & 5 & 3 & 2 & \square & 9 & & & \\ + & & 7 & 4 & 2 & \square & & & \\ \hline \square & 0 & 6 & 7 & 6 & & & & \end{array}$$

2 marks

8Write the four missing digits to make this **addition** correct.

$$\begin{array}{r}
 \boxed{} \boxed{6} \boxed{} \boxed{8} \\
 + \boxed{3} \boxed{} \boxed{9} \boxed{} \\
 \hline
 \boxed{9} \boxed{0} \boxed{1} \boxed{9}
 \end{array}$$

2 marks

9

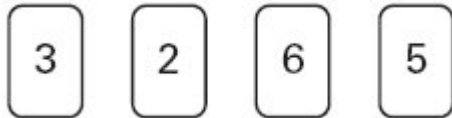
Write numbers in the boxes to make this calculation correct.

$$50 - \boxed{} = \boxed{} + 10$$

1 mark

10

Here are four digit cards.

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

$$650 + \boxed{}\boxed{}\boxed{} =$$

1 mark

11

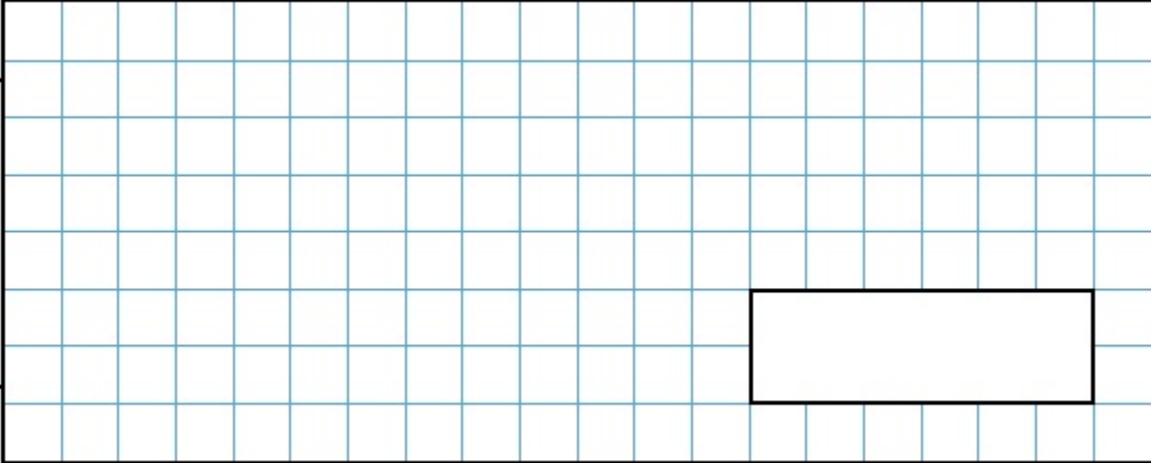
Ken is playing a game. He has 4,289 points.

Then he scores another 355 points.

Ken's target is 6,000 points.

How many **more** points does Ken need to reach his target?

Show your method



2 marks

12

Write in what the missing numbers could be.

$$170 + \square = 220 - \square$$

1 mark

13

Write in the missing numbers in this multiplication grid.

×	5	<input type="text"/>	<input type="text"/>
4	20	36	32
<input type="text"/>	35	63	56
<input type="text"/>	30	54	48

2 marks

14Use the digits **2, 3** and **4** once to make the multiplication which has the **greatest product**.

$$\boxed{} \boxed{} \times \boxed{}$$

1 mark

Mark schemes

1

Boxes completed as shown:

£ 8569

£ 9090

£ 9130

£ 8999

Both answers must be correct for the award of the mark.

Accept alternative unambiguous indications, such as 'Yes'.

Ignore crosses or 'No' in the other boxes, provided it is clear that the correct two prices have been chosen.

[1]

2

325

[1]

3

LIV

1

LXVI

1

[2]

4

Any two numbers such that Sara's number is thirteen greater than Leon's, eg

Leon 10 Sara 23

Accept decimals, fractions, negative numbers and zero.

[1]

5

63 AND 87 OR 64 AND 86

OR 65 AND 85 OR 66 AND 84

OR 67 AND 83 OR 73 AND 77

OR 74 AND 76

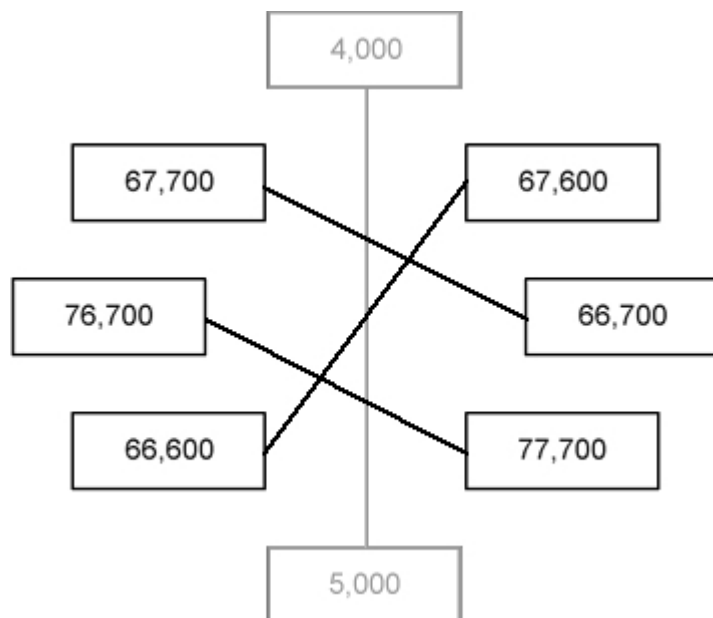
Accept alternative indications such as two numbers crossed out.

Accept answers elsewhere on page, if the numbers on the diagram are not marked.

Do not accept $75 + 75$

[1]

6 Award **ONE** mark for all three pairs correctly joined.



[1]

7 Award **TWO** marks for numbers completed, as shown:

$$\begin{array}{r}
 \boxed{5} \boxed{3} \boxed{2} \boxed{4} \boxed{9} \\
 + \quad \boxed{7} \boxed{4} \boxed{2} \boxed{7} \\
 \hline
 \boxed{6} \boxed{0} \boxed{6} \boxed{7} \boxed{6}
 \end{array}$$

Award **ONE** mark for any two numbers completed correctly.

Up to 2m

[2]

8 Award **TWO** marks for four boxes completed correctly, as shown.

$$\begin{array}{r}
 \boxed{5} \boxed{6} \boxed{2} \boxed{8} \\
 + \quad \boxed{3} \boxed{3} \boxed{9} \boxed{1} \\
 \hline
 \boxed{9} \boxed{0} \boxed{1} \boxed{9}
 \end{array}$$

*If the answer is incorrect, award **ONE** mark for three boxes completed correctly.*

Up to 2

[2]

9

Any two numbers which total 40, eg:

- 10 and 30
- 20 and 20
- 0 and 40
- 1 and 39

Accept negative numbers and decimals.

[1]

10

Numbers completed as shown:

$$650 + \begin{array}{|c|c|c|} \hline 3 & 5 & 2 \\ \hline \end{array} =$$

Do not accept digit cards used more than once.

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

[1]

11

Award **TWO** marks for the correct answer of 1,356

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $4289 + 355 = 4644$
 $6000 - 4644 =$

OR

- $6000 - 4289 - 355 =$

OR

- $6000 - 4289 = 1711$
 $1711 - 355 =$

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

Up to 2 marks

[2]

12

Any pair of numbers which total 50, eg
30 and 20

Accept fractions and decimals.

Accept zero in either box.

Do not accept boxes left blank.

[1]

13

Award **TWO** marks for all four boxes completed correctly as shown:

×	5	9	8
4	20	36	32
7	35	63	56
6	30	54	48

If the answer is incorrect, award **ONE** mark for the three boxes completed correctly.

up to 2 (U1)

[2]

14

$$\begin{array}{|c|c|} \hline 3 & 2 \\ \hline \end{array} \times \begin{array}{|c|} \hline 4 \\ \hline \end{array}$$

U1

[1]