

1.

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?

1 mark

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

1 mark

2.

Here are six digit cards.



Use **four** of the cards to make this addition correct.

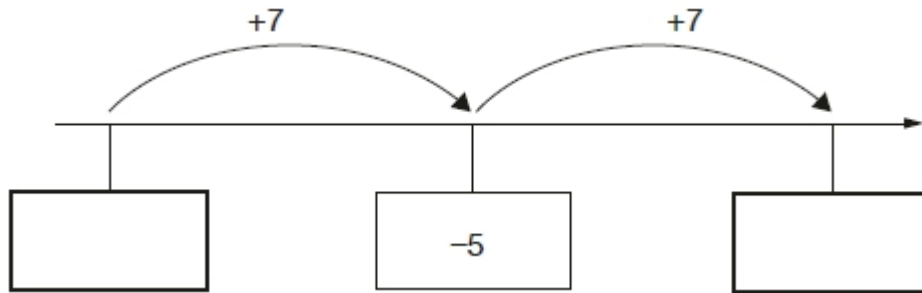
$$\boxed{}\boxed{} + \boxed{}\boxed{} = 40$$

1 mark

3.

Here is part of a number line.

Write the missing numbers in the boxes.



2 marks

4.

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

m

2 marks

5.

At the start of June, there were 1,793 toy cars in the shop.

During June,

- 8,728 more toy cars were delivered
- 9,473 toy cars were sold.

How many toy cars were left in the shop at the end of June?

Show
your
method

2 marks

6.

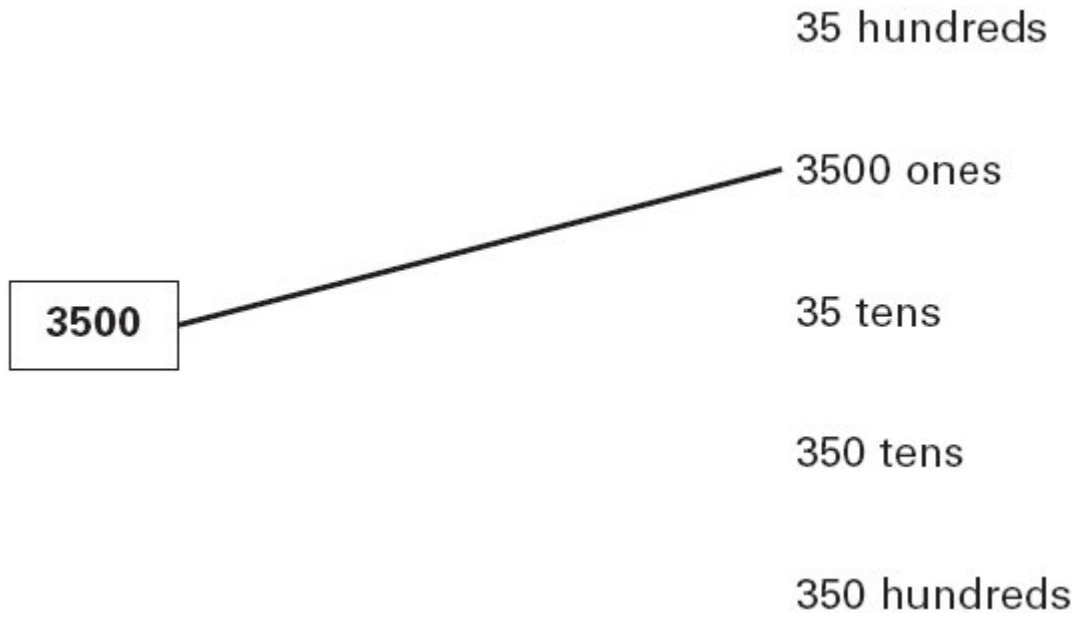
Write the three missing digits to make this **addition** correct.

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

2 marks

7.

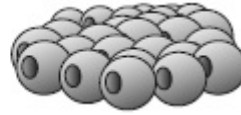
Draw **two more** lines to match **3500** to numbers with the same value.



1 mark

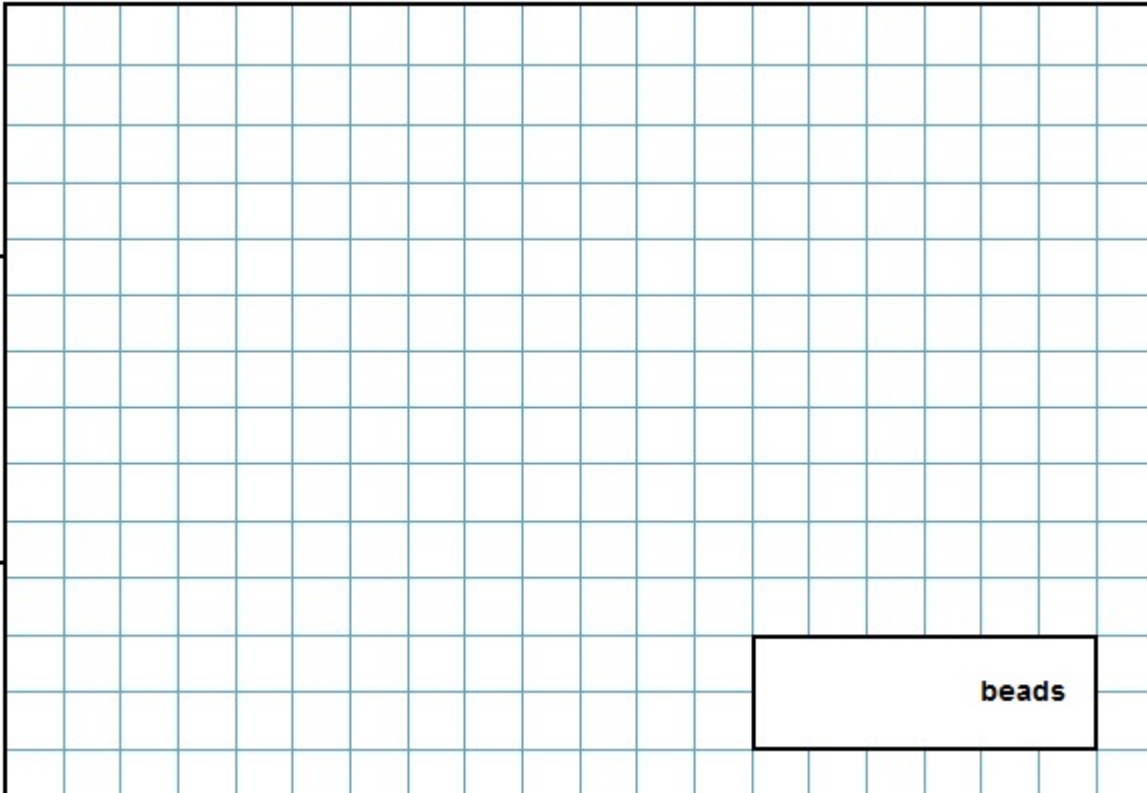
Layla makes jewellery to sell at a school fair.

She makes **68** bracelets.



She makes **34** necklaces.

How many beads does Layla use **altogether**?



beads

Page 5 of 23

9.

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

10.

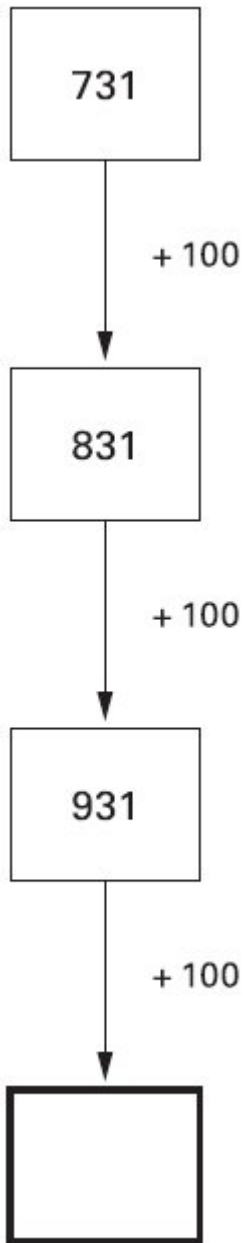
The numbers in this sequence **increase** by 45 each time.

Write the missing numbers.

155 200 245

2 marks

- 11.** Write in the missing number.



1 mark

- 12.** Katie has these digit cards.
- She makes different **2-digit** numbers with them.



Write all the **2-digit** numbers Katie can make with them.

2 marks

13.

Here are two signs.



Use the signs to make these correct.

52	<input type="text"/>	17
19	<input type="text"/>	91
50	<input type="text"/>	34

1 mark

14.

Here are some digit cards.



Write **all** the **three-digit** numbers, **greater than 500**, that can be made using these cards.

One has been done for you.

626

2 marks

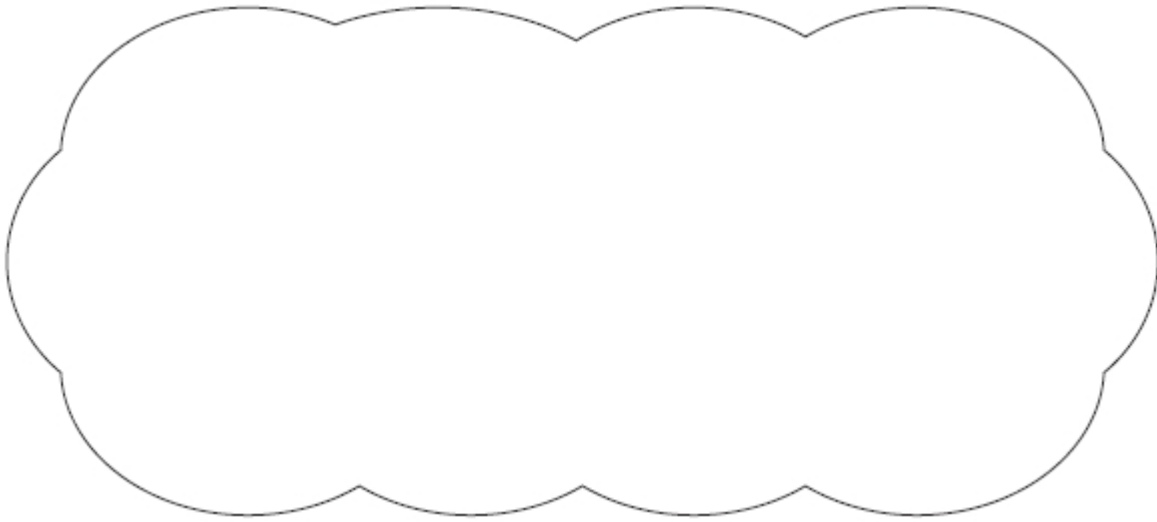
15.

Circle the number which is **closer to 1000**

996

1006

Explain how you know.

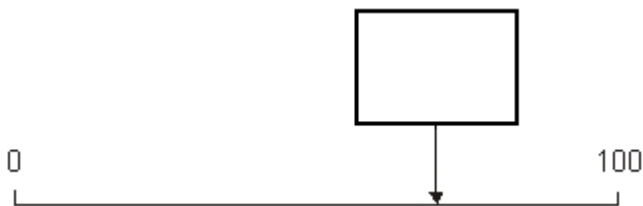


1 mark

16.

Here is a number line.

Estimate the number marked by the arrow.



1 mark

17.

Here is a number sentence.

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

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

30

40

50

60

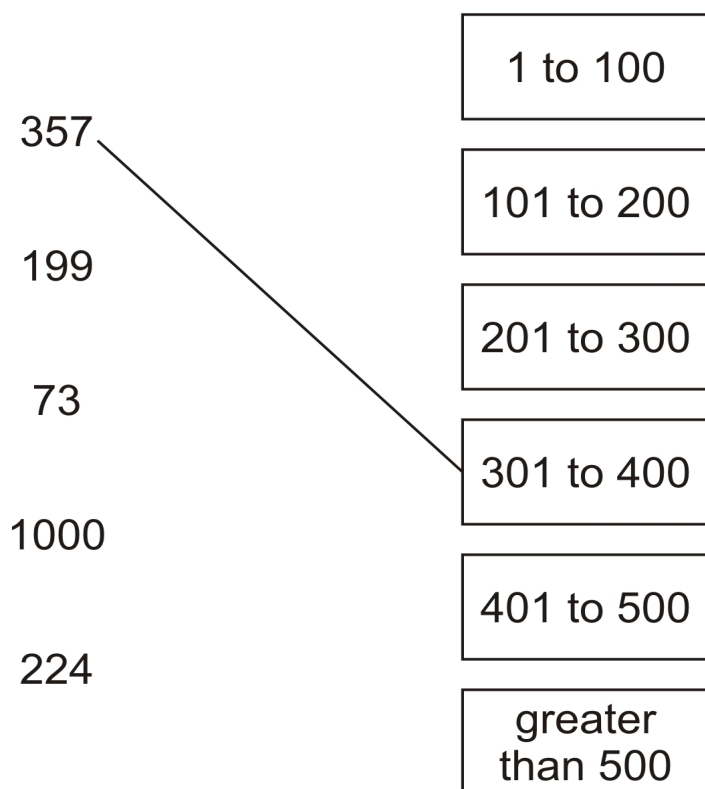
70

1 mark

18.

Join each number to the set of numbers that it belongs to.

One has been done for you.



2 marks

19.

Holly made a number using these digit cards.



The **hundreds** digit is greater than 4

Holly's number is **odd**.

What number did Holly make?

1 mark

20.

Circle the number that is closest to 300.

338 3030 288 313 130

1 mark

21.

Here are three digit cards.

5

6

7

Use each card **once** to make these statements correct.

$$\begin{array}{|c|c|} \hline 4 & 6 \\ \hline \end{array} < \begin{array}{|c|c|} \hline & 2 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 5 & 6 \\ \hline \end{array} > \begin{array}{|c|c|} \hline & 0 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 7 & 6 \\ \hline \end{array} < \begin{array}{|c|c|} \hline & 7 \\ \hline \end{array}$$

1 mark

22.

Circle the number closest to 500

525

491

511

408

550

1 mark

23.

$$33,630 = 354 \times 95$$

Use this multiplication to complete the calculations below.

$$354 \times 9.5 =$$

$$3,540 \times 95 =$$

$$3,363 \div 95 =$$

2 marks

24.

Write the number 53,148 in **words**.

1 mark

25.

Write the number that is five less than **ten million**.

1 mark

Write the number that is one hundred thousand less than **six million**.

1 mark

26.

What number is 1,000 **less** than 9,072?

1 mark

27.

The numbers in this sequence **decrease** by the same amount each time.

303,604 302,604 301,604 300,604 ...

What is the next number in the sequence?

1 mark

28.

3,576,219

Which digit is in the **ten thousands** place?

1 mark

Round 3,576,219 to the **nearest million**.

1 mark

29.

Order the numbers starting with the **largest**.
Match each number with its order.

1,009,909

1st

largest

1,023,065

2nd

1,009,099

3rd

1,230,650

4th

smallest

1 mark

30.

The **original** price of this car is £8,999

Sale
£1,100 off



What is the **sale** price of the car?

£

1 mark

Mark schemes

1.

(a) 191,118

1

(b) 48,361

1

[2]

2.

$$\begin{array}{|c|c|} \hline 1 & 4 \\ \hline \end{array} + \begin{array}{|c|c|} \hline 2 & 6 \\ \hline \end{array} = 40$$

OR

$$\begin{array}{|c|c|} \hline 1 & 6 \\ \hline \end{array} + \begin{array}{|c|c|} \hline 2 & 4 \\ \hline \end{array} = 40$$

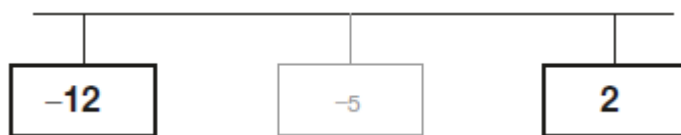
Numbers may be given in either order.

U1

[1]

3.

Award **TWO** marks for both numbers correct as shown.



If the answer is incorrect, award **ONE** mark for one number correct.

Do not accept 12–

Accept +2 in the right-hand box.

Up to 2

[2]

4.

Award **TWO** marks for the correct answer of 1,609

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

- $5,895 + 1,344 = 7,239$
 $8,848 - 7,239$

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

Up to 2m

[2]

5.

Award **TWO** marks for the correct answer of 1,048

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

- $1,793 + 8,728 = 10,521$
 $10,521 - 9,473$

OR

- $9,473 - 8,728 = 745$
 $1,793 - 745$

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

Up to 2m

[2]

6.

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

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

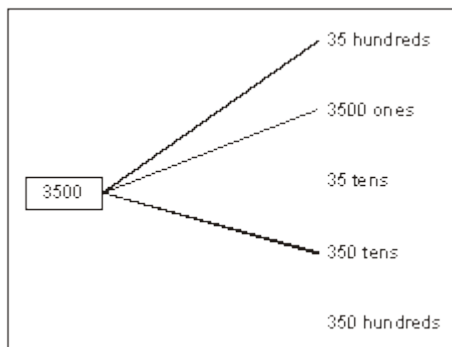
Award **ONE** mark for any two numbers completed correctly.

Up to 2m

[2]

7.

Diagram completed as shown:



Both lines must be drawn correctly for the award of the mark.

Lines need not touch the numbers exactly, provided the intention is clear.

[1]

8.

Award **THREE** marks for the correct answer of 7,174

If the answer is incorrect, award **TWO** marks for:

- evidence of an appropriate complete method which contains no more than **ONE** arithmetic error, e.g.

$$\begin{array}{r} 53 \\ \times 68 \\ \hline 3504 \text{ (error)} \end{array} \quad \begin{array}{r} 105 \\ \times 34 \\ \hline 3570 \end{array}$$

$$3,504 + 3,570 = 7,074$$

Award **ONE** mark for:

- evidence of an appropriate method with more than **ONE** arithmetic error.

OR

- sight of 3,604 as evidence of long multiplication step (68×53) completed correctly.

OR

- sight of 3,570 as evidence of long multiplication step (105×34) completed correctly.

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

*A misread of a number may affect the award of marks. No marks are awarded if there is more than **ONE** misread or if the mathematics is simplified.*

***TWO** marks will be awarded if an appropriate method with the misread number is followed through correctly.*

***ONE** mark will be awarded for evidence of an appropriate method with the misread number followed through correctly with no more than **ONE** arithmetic error.*

Up to 3m

[3]

9.

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]

10.

Award **TWO** marks for three correct numbers, as shown:

110	155	200	245	290	335
-----	-----	-----	-----	-----	-----

Award **ONE** mark for:

- any **TWO** numbers correctly placed

OR

- if box 1 is correct, accept correct follow-through for box 3 from the incorrect value in box 2.

***Do not** accept misreads for this question.*

Up to 2m

[2]

11.

1031

[1]

12.

Award **TWO** marks for all six different two-digit numbers given in any order.

25	27	52	57	72	75
----	----	----	----	----	----

Award both marks even if any numbers are duplicated in the list, provided all six different numbers are given.

***Do not** accept 22 or 55 or 77 unless given in addition to the correct six numbers.*

If the answer is incorrect, award **ONE** mark for five different correct numbers.

Up to 2
U2

[2]

13.

Boxes completed as shown:

52 $\square >$ 17

19 $\square <$ 91

50 $\square >$ 34

***All three** signs must be correct for the award of the mark.*

[1]

14.

Award **TWO** marks for all five numbers in any order as shown:

624, 642, 646, 662, 664

Ignore 626 or repeats of the five correct responses.

If the answer is incorrect, award **ONE** mark for:

- four out of five numbers correct and none incorrect

OR

- five numbers correct and only one incorrect.

*For **ONE** mark, ignore four-digit numbers.*

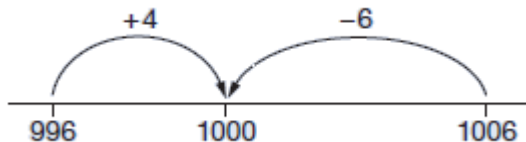
Up to 2 (U1)

[2]

15.

996 circled, and an explanation that it is closer in value than 1006 to 1000, eg:

- '996 is 4 less than 1000, but 1006 is 6 more'
- ' $1000 - 996 = 4$, $1006 - 1000 = 6$ '
- 'It's closer by 2'
-



- 'Both end in 6 which means to the nearest ten they round up. So 996 rounds up to 1000, but 1006 rounds up to 1010'
- '1006 is nearer 1010, but 996 is nearer 1000'
- '996 is only 4 away'.

No mark is awarded for circling 996 alone.

Do not accept vague or incomplete explanations, eg:

- '1006 is further away'
- '996 is less than 1000, but it is still closer than 1006'

If 996 is not circled, but a correct, unambiguous explanation is given, then award the mark.

U1

[1]

16.

Answer in the range 65 to 75 inclusive.

[1]

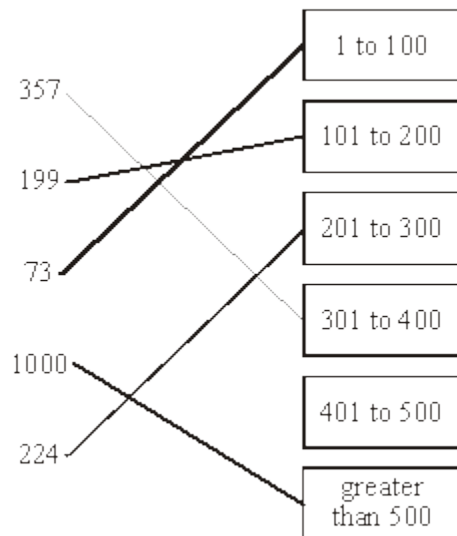
17.

Numbers circled as shown:

30 40 50 60 70

*Accept alternative unambiguous indications,
eg numbers ticked, crossed or underlined.*

[1]

18.Award **TWO** marks for the four lines drawn as shown:

If the answer is incorrect, award **ONE** mark for three correct lines drawn **AND** not more than one incorrect line drawn.

*Do not award any marks if two or more incorrect lines are drawn.
Lines need not touch the boxes provided the intention is clear.*

Up to 2

[2]**19.**

845

[1]**20.**

Number circled as shown:

338 3030 **288** 313 130

Accept alternative unambiguous indications.

[1]**21.**

All three digits correct, as shown:

4	6	<	6	2
---	---	---	---	---

5	6	>	5	0
---	---	---	---	---

7	6	<	7	7
---	---	---	---	---

[1]

22. Number circled as shown:

525 491 511 408 550

Accept alternative unambiguous indications, eg number ticked, crossed or underlined.

[1]

23. Award **TWO** marks for numbers completed, as shown:

$$354 \times 9.5 = \boxed{3,363}$$

$$3,540 \times 95 = \boxed{336,300}$$

$$3,363 \div 95 = \boxed{35.4}$$

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

Do not accept transcription errors or misreads for this question.

Up to 2m

[2]

24. Fifty-three thousand, one hundred and forty-eight.

[1]

25. (a) 9,999,995

1

(b) 5,900,000

1

[2]

26. 8,072

[1]

27. 299,604

[1]

28. (a) 7

Do not accept 70,000 or 70 thousands.

1m

(b) 4,000,000

Accept 4 million or four million

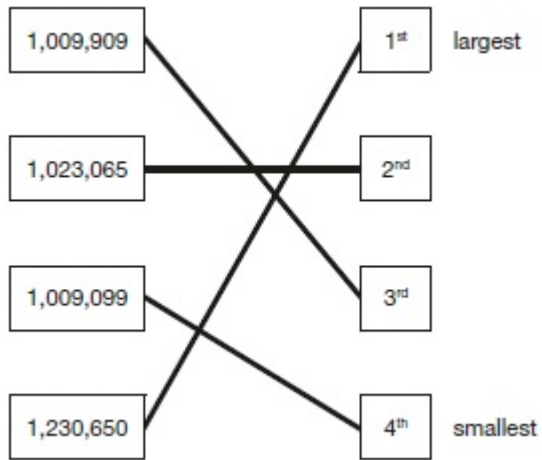
Do not the answer 4

1m

[2]

29.

Award **ONE** mark for the four numbers matched correctly, as shown:



Lines need not touch the numbers and ordinals, provided the intention is clear

Do not accept any number which has been matched to more than **ONE** ordinal.

[1]

30.

£7,899

[1]