Year 5 Number and Place Value

Q1.

Write the missing number in the sequence

	273,001	283,001	293,001	

2 marks

Q2.

Arrangements

Here are some number cards:

1	7	3	5

You can use each card once to make the number 1,735, like this:

1	7	3	5

(a)   What is the **biggest** number you can make with the four cards?

1 mark

(b)   Explain why you **cannot** make an **even** number with the four cards.

_____

_____

1 mark

(c)

1	7	3	5

Use some of the four number cards to make numbers that are **as close as possible** to the numbers written below.

Examples

80 → | 7 | 5 |

30 → | 3 | 1 |

You must **not** use the same card more than once in each answer.

50 → | | |

1 mark

60 → | | |

1 mark

4000 → | | | | |

1 mark

1500 → | | | | |

1 mark

1600 → | | | | |

1 mark
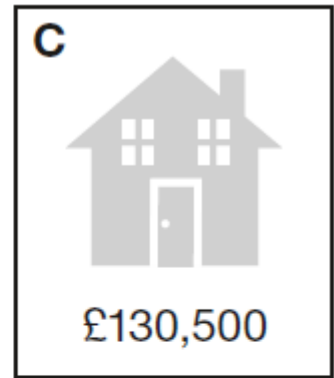
Q3.

A

£135,300

B

£119,125

C

£130,500

D

£131,500

E

£91,500
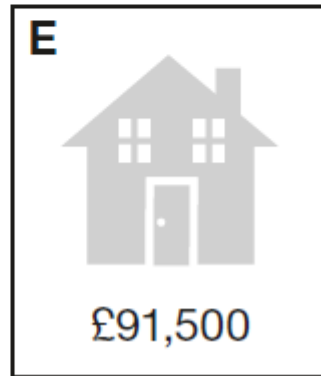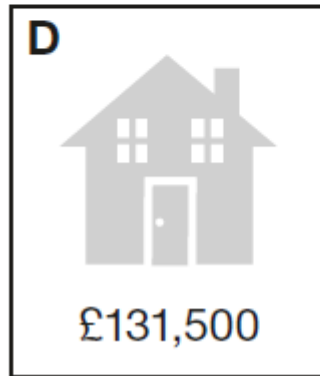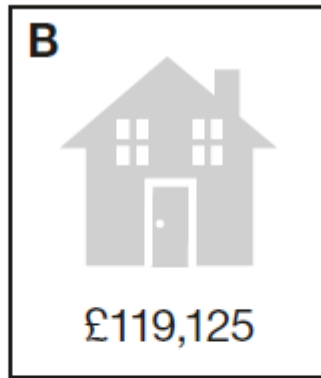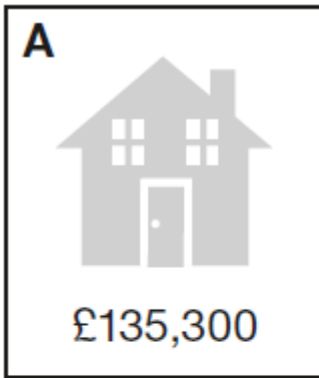
Put these houses in order of price starting with the **lowest price**.

One has been done for you.

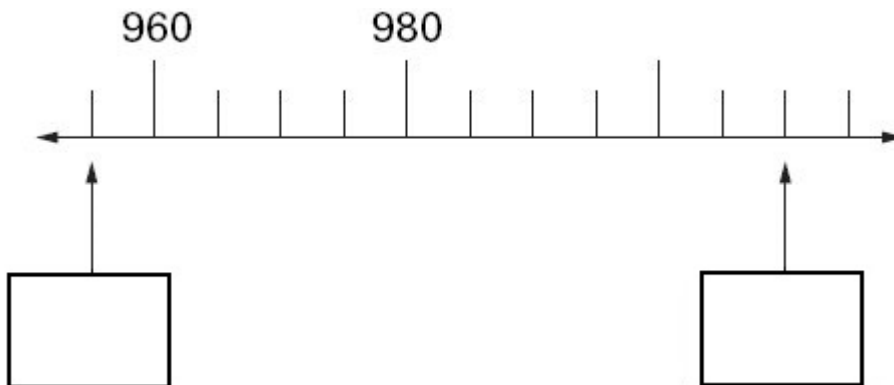_____   **B**   _____   _____   _____
lowest

1 mark

Q4.

Here is part of a number line.

Write the two missing numbers in the boxes.
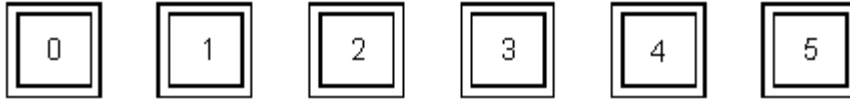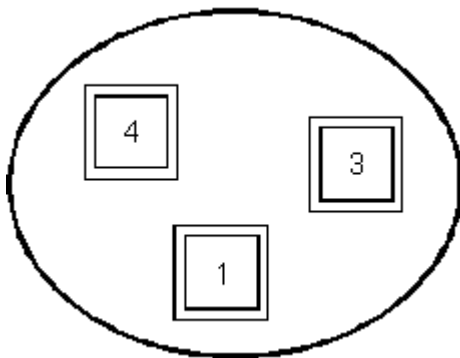
960   980

2 marks

Q5.

Cards

Here are some number cards:

Joan picked these three cards:

She made the number **314** with her cards.
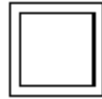
(a)   Make a **smaller** number with Joan's three cards.

_____

1 mark

(b)   Make the **biggest** number you can with Joan's three cards.

_____

1 mark

(c)   Joan made the number 314 with her three cards.
Which extra card should she pick to make her number **10 times** as big?

1 mark

What number is **10 times** as big as 314?

_____

1 mark

(d)   Andy has these cards:

He made the number 42.5 with four of his cards.
Use some of Andy's cards to show the number **10 times** as big as 42.5

_____

1 mark

Use some of Andy's cards to show the number **100 times** as big as 42.5

_____

1 mark

Q6.
The numbers in this sequence increase by 30 each time.

20   50   80   110 ...

The sequence continues in the same way.

Which number in the sequence will be **closest to 300**?

Show
your
method

2 marks

Q7.

In the circles, write a multiple that belongs to each set.

One has been done for you.

| numbers from 1 to 99 | multiple of **10** | 50 |

| numbers from 101 to 199 | multiple of **20** | ◯ |

| numbers from 201 to 299 | multiple of **30** | ◯ |

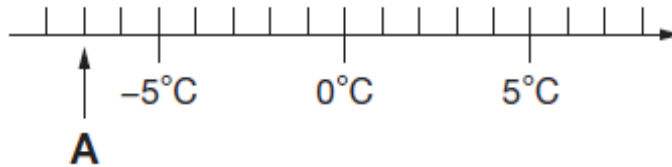| numbers from 301 to 399 | multiple of **40** | ◯ |

2 marks

Q8.

Circle two numbers that multiply together to equal **1 million**.

200   2,000   5,000   50,000

Q9.

Here is part of a temperature scale.

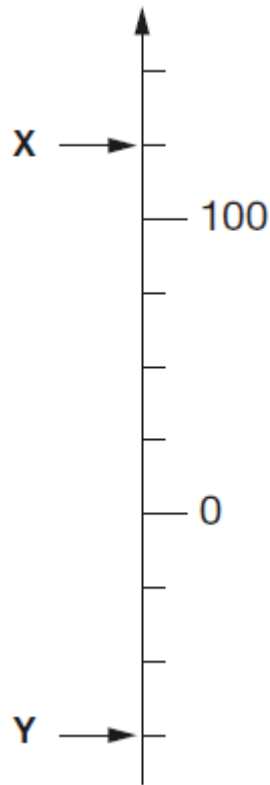What is the temperature shown at **A**?

°C

1 mark

What temperature is 20 degrees **higher** than **A**?

°C

1 mark

Q10.

Here is part of a number line.
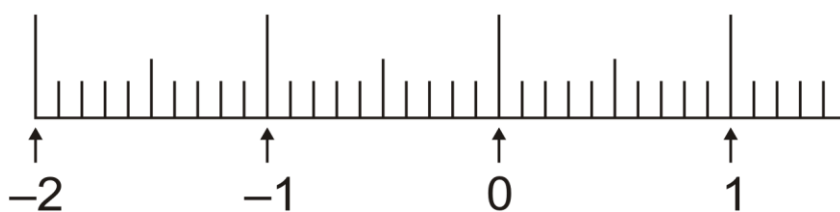
What is the value of **X**?

X =

1 mark

What is the value of **Y**?

Y =

1 mark

Q11.

Mark with arrows the points **–1.5** and **0.45** on the number line.

-2   -1   0   1

2 marks

Q12.

What is the value of the digit 9 in the number

697,432 ?

Circle the correct answer.

nine thousand   **nine hundred**   **ninety thousand**

nine million   **nine hundred thousand**

1 mark

Q13.

This weather chart shows the highest and lowest temperatures in a town on five days in March.

	Temperature °C	
	highest	lowest
Monday	+7	0
Tuesday	+7	−2
Wednesday	+8	−2
Thursday	+9	+1
Friday	+4	−5

Which day has the greatest difference between the highest and the lowest temperatures?

_____

1 mark

What is the difference between the lowest temperatures on Thursday and Friday?

degrees

1 mark

Q14.
Complete this table by rounding the numbers to the **nearest hundred**.

	Rounded to the **nearest hundred**
20,906	
2,090.6	
209.06	

2 marks

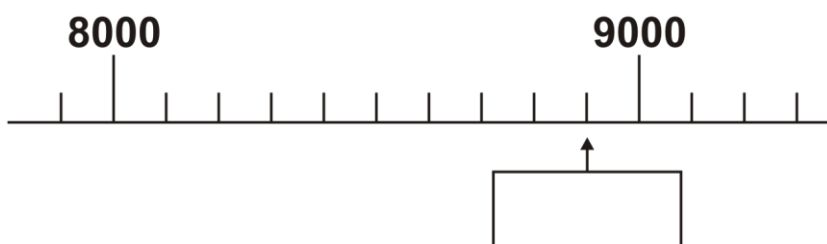**Q15.**
Draw arrows.

rounded to the nearest **100** is

⟶

3770

1070

8200

8225

3600

1100

3680

8300

1000

1 mark

Q16.

Here is part of a number line.

Write in the number indicated by the arrow.

8000   9000

1 mark

Q17.

Here is a number written in Roman numerals.
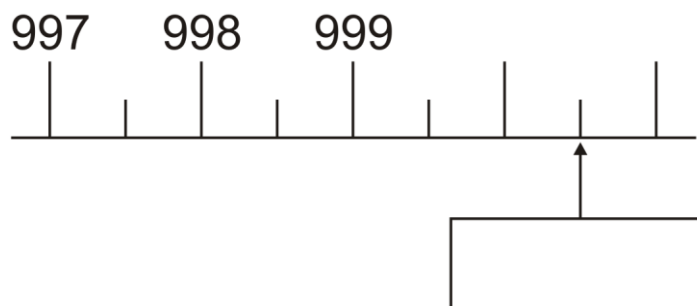
CXV

Write the number in figures.

1 mark

Q18.

Complete the table.

Number	Rounded to nearest 1000	Rounded to nearest 100,000
385,704		400,000
809,601		

2 marks

Q19.

Here is part of a number line.

Write the number shown by the arrow.

997   998   999

1 mark

Q20.

Look at these numbers written in Roman numerals.

One is not written correctly.

Put a cross (✗) on it.

MMCM   MCMM   MMMC   MMCC   MCCC

1 mark

Q21.

Look at these numbers written in Roman numerals.

MCMVII   MMCD   MDCCXLIII   MMDX

Circle the **largest** number.

What is the value of the **smallest** number?

2 marks

Q22.

Write the number that is nearest to **5000** which uses all the digits **4**, **5**, **6** and **7**

1 mark

Q23.

(a)   In the number **4,378**, the figure 7 represents 7 **tens**.
   What does the figure **3** represent?

_____

What does the figure **4** represent?

_____

1 mark

(b)   Write in figures the number **twenty thousand and twenty**.

_____

1 mark

Q24.

Place value

(a)   Which number below is **four thousand and seven**?

Put a ring round it.

47   407   4,007

40,007   400,007

1 mark

(b)   Write in figures the number **three million**.

_____

1 mark

Q25.

Ancient Egyptians

The ancient Egyptians used pictures to show numbers.

The table gives some of these pictures.

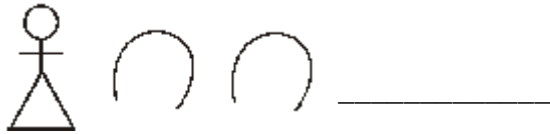| Number	Picture
one	
ten	
one hundred	
one thousand	

Write **in figures** the number that each picture below is showing.

The first one is done for you.

⌒ | | ___12___

      _____

1 mark

      _____

1 mark