

Q1. Tick the numbers that are common factors of both **12 and 18**

- 2
- 3
- 6
- 9
- 12

2 marks

Q2. Write the missing numbers.

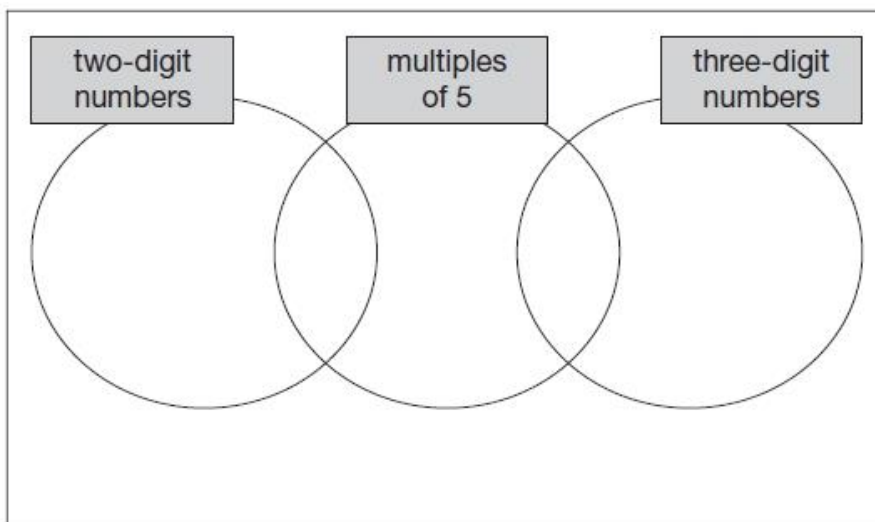
Factors of 20 = {1, _____, _____, _____, _____, 20}

1 mark

Q3. Here is a diagram for sorting numbers.

Write **each** number in its correct place on the diagram.

2 20 201 2000



2 marks

Q4. Here are six digit cards.



Use **all six** digit cards to make three multiples of 3



1 mark

Q5.

Here are four labels.



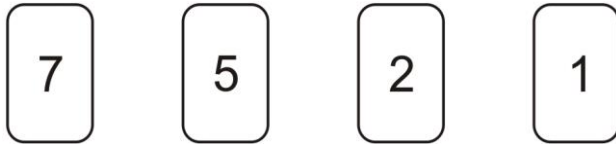
Write each label in the correct position on the sorting diagram below.

	72	56
	54	84
	63	49
	45	75

1 mark

Q6.

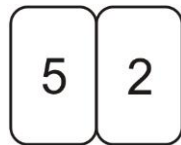
Here are four digit cards.



Choose two cards each time to make the following two-digit numbers.

The first one is done for you.

an even number



a multiple of 9



a square number



a factor of 96



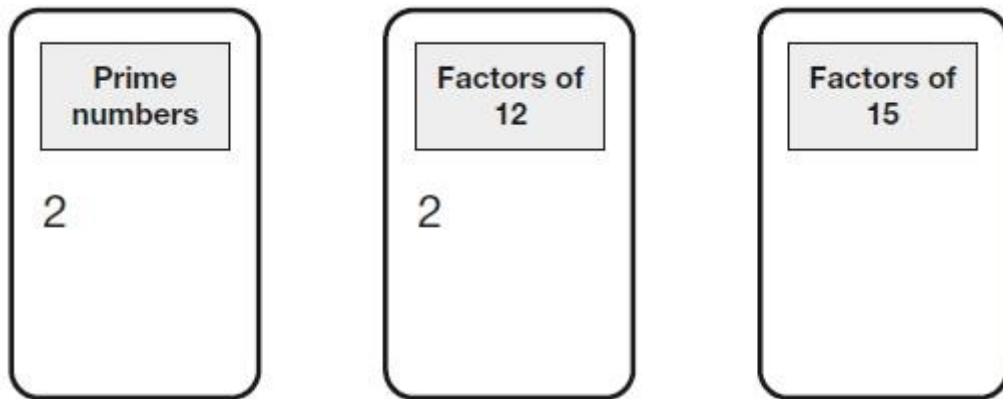
2 marks

Q7. Here are five numbers.

~~2~~ 3 4 5 6

Write each number on the correct cards.

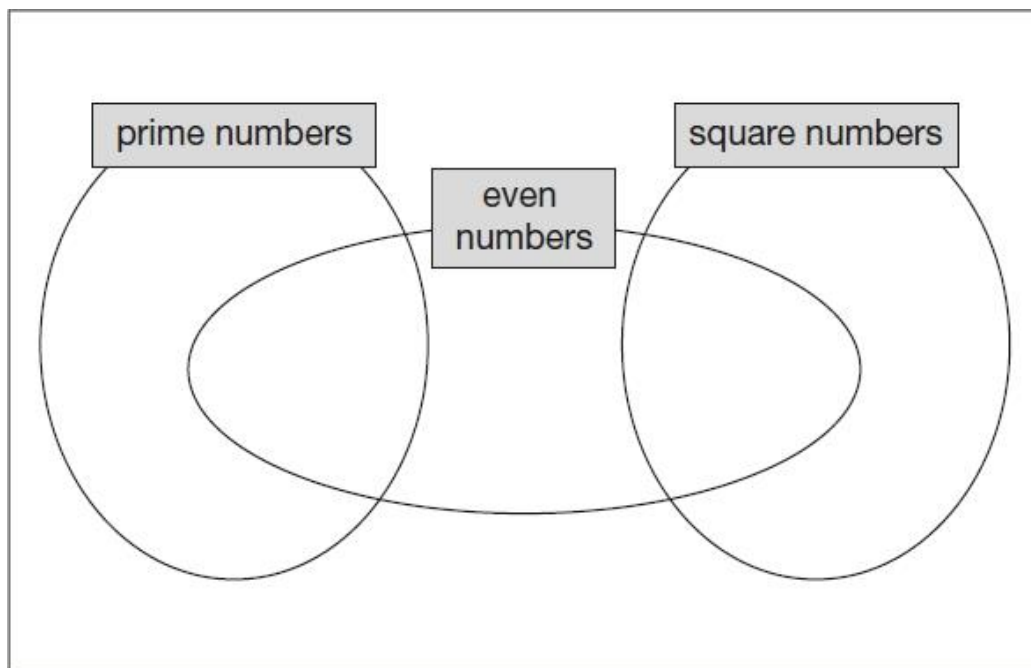
The number 2 has been written on the correct cards for you.



2 marks

Q8. Write each number in its correct place on the diagram.

16 17 18 19



2 marks

Q9.

The factor pairs of 8 are

$$\boxed{1} \text{ and } \boxed{8}$$

$$\boxed{2} \text{ and } \boxed{4}$$

Write all the factor pairs of 42

$$\boxed{1} \text{ and } \boxed{42}$$

$$\boxed{2} \text{ and } \boxed{}$$

$$\boxed{} \text{ and } \boxed{}$$

$$\boxed{6} \text{ and } \boxed{}$$

2 marks

Q10.

Emma thinks of two **prime** numbers.

She adds the two numbers together.

Her answer is 36

Write **all** the possible pairs of prime numbers Emma could be thinking of.

2 marks

Q11.

Find two **square numbers** that total 45

$$\boxed{} + \boxed{} = 45$$

1 mark

Q12. Complete the table.

	Round 39,476
to the nearest 10,000	
to the nearest 1,000	
to the nearest 100	

2 marks

Q13. Write in the missing numbers.

Number	Rounded to the nearest whole number
5.05	
5.55	
4.45	
4.54	

2 marks

Q14.

Complete this table to show the numbers rounded to the **nearest 100**.

One has been done for you.

	rounded to the nearest hundred
316	300
3162	
31628	
316281	

2 marks

Q15.

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

Q16.

Round these numbers to one decimal place.

One has been done for you.

Number	To nearest one decimal place
12.72	12.7
10.16	
672.09	
24.81	

2 marks

Q17.

The table shows the total attendance figures for 3 baseball stadiums.
Round each number to the nearest ten thousand

Stadium	Total attendance	Total attendance, rounded to nearest ten thousand
Dodger Stadium	3,703,312	
Angel Stadium	3,016,142	
Fenway Park	2,955,434	

2 marks

Q18.

Round **124,531**

to the nearest 10,000

to the nearest 1,000

to the nearest 100

2 marks

Q19.

Write these temperatures in order from hottest to coldest.

92°C

37°C

-12°C

73°C

12°C

-2°C

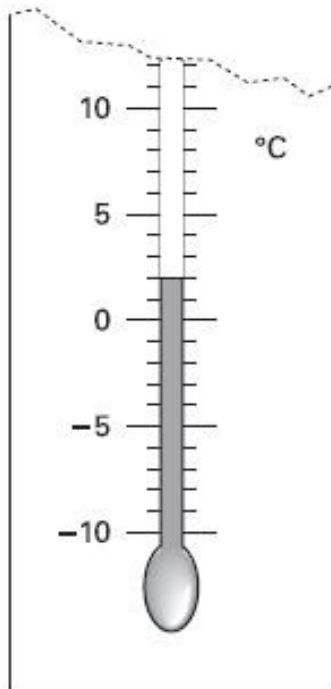
_____ hottest

_____ coldest

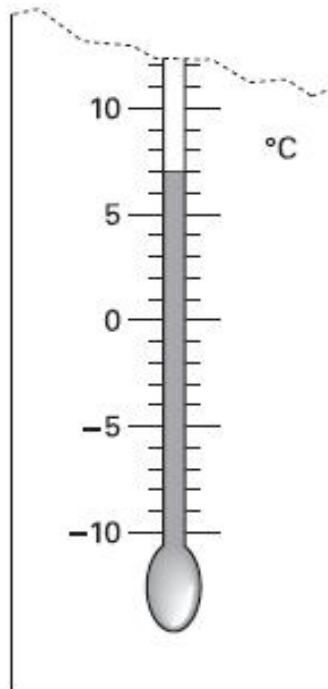
1 mark

Q20.

These are the temperatures in York and Rome on a day in winter.



York



Rome

How many degrees **colder** is it in York than in **Rome**?

 °C

1 mark

On another day, the temperature in York is **4°C**

Rome is **7 degrees colder** than York.

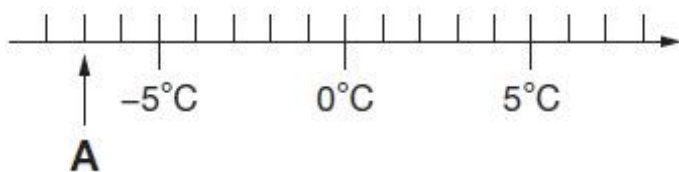
What is the temperature in **Rome**?

 °C

1 mark

Q21.

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

Q22.

This table shows the temperature at 9 am on three days in January.

1st January	8th January	15th January
+5°C	-4°C	+1°C

What is the difference between the temperature on 1st January and the temperature on 8th January?

 °C

1 mark

On 22nd January the temperature was 7 degrees lower than on 15th January.

What was the temperature on 22nd January?

 °C

1 mark

Q23. Megan makes a sequence of numbers starting with **100**

She **subtracts 45** each time.

Write the next **two** numbers in the sequence.

100 55 10

2 mark

Q24. Liam makes a sequence of numbers starting with 300

He subtracts 125 each time.

Write the next two numbers in Liam's sequence.

300 175 50

2 marks

Q25. Here is a table of temperatures at dawn on the same day.

Temperatures °C	
London	-4°C
Moscow	-6°C
New York	-9°C
Paris	+6°C
Sydney	+14°C

What is the **difference** in temperature between **London** and **Paris**?

 °C

1 mark

At noon the temperature in **New York** has **risen by 5°C**.

 °C

What is the temperature in **New York** at noon?

1 mark

