

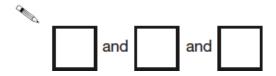






Q1. Complete this sentence.

Every number with a factor of 10 must also have factors of



1 mark

Q2. Here are five number discs.









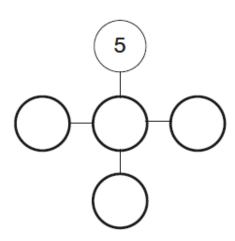


Look at the cross pattern below.

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

One has been done for you.





1 mark

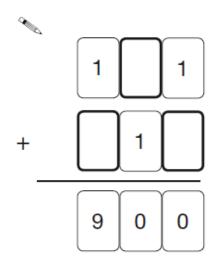
Q3.	The	factor	nairs	of 8	are S

1	and	8
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Write all the factor pairs of 42

2 marks

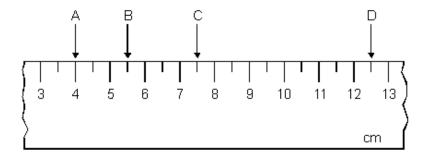
Q4. Write the missing digits to make the addition correct.



1 mark

Q5. Ruler

The diagram shows part of a ruler. (a)



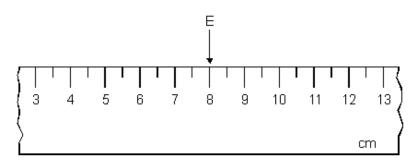
Complete these sentences.

1 mark

1 mark

Look at the ruler below.





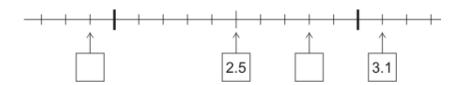
I want the distance between E and F to be 31/2 cm.

There are two places F could be.

Show the two places by drawing arrows on the ruler.

2 marks

Q6. Write the missing numbers in the boxes

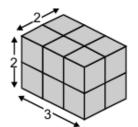


Q7. Cuboids

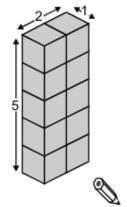
(a) These cuboids are made from small cubes.

Write how many small cubes there are in each cuboid.

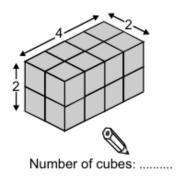
The first is done for you.

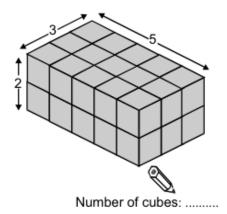


Number of cubes: ...12....



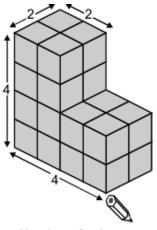
Number of cubes:





(b) This shape is made with two cuboids.

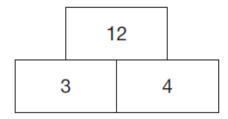
Write how many small cubes there are in this shape.



Number of cubes:

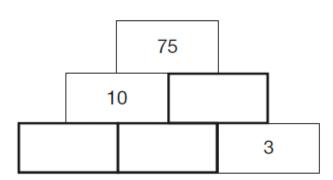
1 mark

Q8. In this tower, two numbers are **multiplied** to give the number above.



Write the missing numbers in the tower below to make it correct.





Q9.	Here	are	three	diait	cards
QJ.	11010	aic	1111100	uigit	Carus

1	5	6
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Choose two cards each time to make the following two-digit numbers.

The first one is done for you.

an even number	5	6
a prime number		
a common factor of 60 and 90		
a common multiple of 5 and 13		

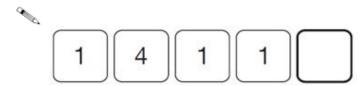
2 marks

Q10. Write the missing numbers.

2 marks

Q11. (a) Here are five number cards.

Write the missing number so that the **mean** is **2**.



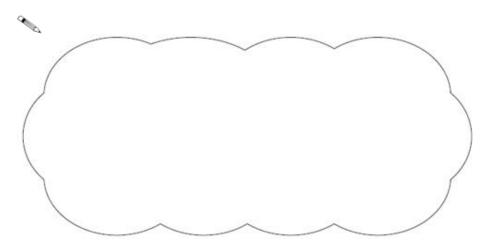
1 mark

(b) Here are the five number cards again.

1 4 1 1

It is **not possible** to write the missing number so that the **range** is **2**.

Explain why not.



1 mark

Q12. Put these values in order with the smallest first

5² 3² 3³ 2³

smallest largest

1 mark

Q13. Here are three equations.

$$a + b + c = 30$$

$$a + b = 24$$

$$b + c = 14$$

What are the values of a, b and c?



$$a =$$
 $b =$ $c =$