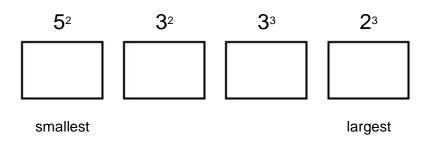
Q1.

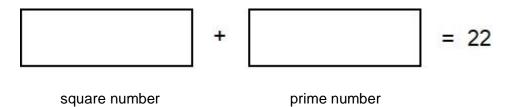
Put these values in order with the smallest first



Q2.

A square number and a prime number have a total of 22

What are the two numbers?



Q3.

Here is a sorting diagram for numbers.

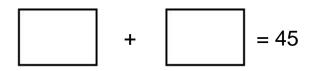
Write a number less than 100 in each space.

| | even | not even |
|-----------------------------|------|----------|
| a cube number | | |
| not a cube number | | |

2 marks

Q4.

Find two square numbers that total 45



1 mark

1 mark

1 mark

Q5.

Here is a sorting diagram for numbers.

Write a number less than 100 in each space.

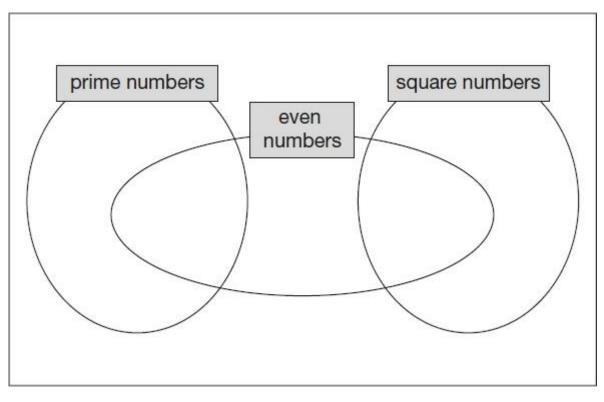
| | even | not even |
|---------------------|------|----------|
| a square number | | |
| not a square number | | |

2 marks

Q6.

Write each number in its correct place on the diagram.





2 marks

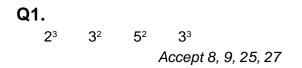
Q7.

36 and 64 are both square numbers

They have a sum of 100

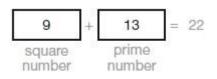
Find two square numbers that have a sum of 130

| and | |
|-----|--------|
| | 1 mark |



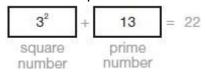
Q2.

Both numbers correct as shown:



Numbers must be in the correct order.

Do not accept:



Q3.

Award TWO marks for four correct numbers, e.g.

| | even | not even |
|-----------------------------|------|----------|
| a cube number | 64 | 27 |
| not a cube number | 4 | 5 |

Award **ONE** mark for any three correct.

Q4.

36 **AND** 9

Numbers may be given in either order.

Q5.

Award **TWO** marks for a correct number written in each of the four boxes.

[2]

[1]

[1]

[1]

| | even | not even |
|------------------------|---|--|
| a square number | 0 OR 4 OR 16 OR 36 OR 64 | 1 OR 9 OR 25 OR 49 OR 81 |
| not a square number | even AND not a square AND less than 100 | odd AND not square AND less than 100 |

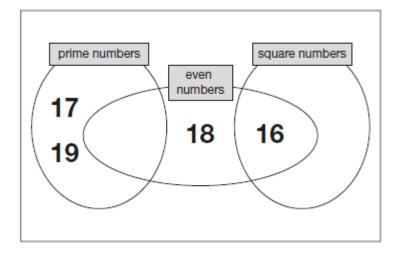
If the answer is incorrect, award **ONE** mark for three boxes completed correctly. Accept more than one number in each box, provided all are correct.

Up to 2

[2]

Q6.

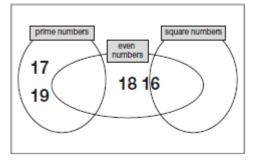
Award TWO marks for all four numbers placed correctly as shown:



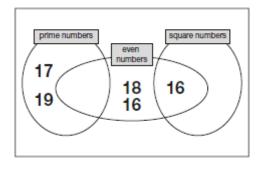
If the answer is incorrect, award **ONE** mark for three numbers placed correctly.

Accept alternative unambiguous indications, e.g. lines drawn from the numbers to the appropriate regions of the diagram.

Do not accept numbers written in more than one region, e.g.



OR



Up to 2m

[2]

[1]

Q7.

49 **AND** 81

OR

121 **AND** 9



U1