1 71 73 75 77 79 81 87

From this list of numbers write down

(a) a prime number

..... [1]

(b) a square number.

..... [1]

4 80 81 82 83 84 85 86 87 88 89

From the list of numbers, write down a prime number.

..... [1]

1 Write down a cube number between 10 and 100.

..... [1]

3 21 24 25 27 29 39 48

From the list of numbers, write down

(a) the prime number,

..... [1]

(b) the cube number.

..... [1]

2 120 121 149 164 216

From this list, write down

(a) a square number

..... [1]

(b) a cube number.

..... [1]

2 91 93 95 97 99

From this list write down a prime number.

..... [1]

1

12	15	27	29	91	93

From the list of numbers, write down

(a) a cube number

..... [1]

(b) a prime number.

..... [1]

7 12 18 29 49 91 125

From the list of numbers, write down

(a) a cube number,

..... [1]

(b) a prime number.

..... [1]

1 32 33 34 35 36 37 38 39

From this list of numbers, write down

(a) a multiple of 8,

..... [1]

(b) a square number,

..... [1]

(c) a prime number.

..... [1]

1 29 31 41 49 51 59

From this list, write down **all** the numbers that are prime numbers.

..... [2]

1 31 37 39 49 51 53 77 87

From this list write down **all** the prime numbers.

..... [2]

2 There are two prime numbers in this list.

27 47 57 61 75 93

Work out the sum of these two prime numbers.

..... [2]

2

61	63	64	66	68	69

From this list, write down

(a) a cube number

..... [1]

(b) a prime number.

..... [1]

3

$\frac{2}{5}$	$\sqrt{15}$	23	$\sqrt{144}$	-2	0.8

From this list, write down

(a) a natural number

..... [1]

(b) an irrational number.

..... [1]

10 **(a)** Write down **all** the factors of 18.

..... [2]

1 Write down a factor of 28 that is a prime number.

..... [1]

1 Write down a prime number between 30 and 40.

..... [1]

(c) Write down a prime number between 80 and 90.

..... [1]

2 90 91 92 93 94 95 96 97 98 99

From this list, write down

(a) a prime number,

..... [1]

(b) a common multiple of 4 and 6.

..... [1]

2 Find the highest **odd** number that is a factor of 60 and a factor of 90.

..... [1]

1 Write down the cube number that is greater than 50 but less than 100.

..... [1]

3 **(a)** A number is greater than 1.
The number is also both a square number and a cube number.

Write down a possible value of this number.

..... [1]

(b) Write down a prime number between 90 and 100.

..... [1]

6 **(a)** Explain why 111 is not a prime number.

..... [1]

(b) Find a prime number between 110 and 120.

..... [1]

3

11 13 15 17 19

From this list, write down the number that is both a prime number and a factor of 195.

..... [1]

4 Write down

(a) a square number greater than 10,

..... [1]

(b) an irrational number.

..... [1]

1 Write down

(a) a square number between 101 and 150

..... [1]

(b) a fraction between $\frac{2}{3}$ and $\frac{3}{4}$

..... [1]

(c) an irrational number between 6 and 7.

..... [1]

7 Write down an irrational number between 3 and 4.

..... [1]

1 3.56 5 $\sqrt{196}$ 8 $\sqrt{7}$ 12

From the list, write down a number that is

(a) a multiple of 3,

..... [1]

(b) a cube number,

..... [1]

(c) a prime number,

..... [1]

(d) an irrational number.

..... [1]

7 **(a)** Complete these statements.

The reciprocal of 0.2 is .....

A prime number between 90 and 100 is ..... [2]

(b) $\frac{7}{5}$ 0.6 $\sqrt{7}$ 8 $\sqrt{9}$

From this list, write down an irrational number.

..... [1]

1 P is a prime number where $60 < P < 80$.
P is 2 less than a square number.

Find the value of P.

$P =$ ..... [2]