1.1 – Sets of numbers

Student name: _____Answers_____ Score: _____

1.

31   37   39   49   51   53   77   87

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

.......................31, 37, 53....................... [2]

2.

21   24   25   27   29   39   48

From the list of numbers, write down

(a) the prime number,

.......................29....................... [1]

(b) the cube number.

.......................27....................... [1]

3.

27   39   49   51   53   55   58

From this list write down the prime number.

.......................53....................... [1]

4. Here is a list of numbers.

21   23   29   33   39   63   91   92

From the list, write down

(a) a factor of 46,

.......................23....................... [1]

(b) a prime number.

.......................23 or 29....................... [1]

5.

8   27   49   51   53   55   99

From this list write down the square number.

.......................49....................... [1]

6.

90   91   92   93   94   95   96   97   98   99

From this list, write down

(a) a prime number,

.......................97....................... [1]

(b) a common multiple of 4 and 6.

.......................96....................... [1]

7. (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.

.................................64................................ [1]

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

.................................97................................. [1]

8. Write this list of numbers in order starting with the smallest.

$$\frac{2}{3} \qquad 65\% \qquad \sqrt{0.7} \qquad 0.069 \qquad 0.6^2$$

.....0.069..... < .....0.6^2..... < ....65%.... < .....$\frac{2}{3}$..... < .....$\sqrt{0.7}$.....[2]

smallest

9. From this list,

$$25 \qquad 26 \qquad 27 \qquad 28 \qquad 29 \qquad 30$$

(a) Write down a prime number;   29   [1]

(b) Write down a cube number;   27   [1]

(c) Write down a multiple of 6;   30   [1]

(d) Write down a square number.   25   [1]

10. Write down a prime number between 60 and 70.   61 or 67

[1]