

Name: _____

YEAR 11 MINI-ASSESSMENT 6
FOUNDATION – TYPE OF NUMBER

1. Here is a list of numbers.

1 2 4 8 9 48 99 125 180

From the numbers in the list, write down

(i) a multiple of 6

(1)

(ii) a factor of 32 bigger than 3

(1)

(iii) a prime number

(1)

(iv) a cube number

(1)

[4 marks]

2. (a) Write 542000 in standard form.

(1)

(b) Write 3.67×10^{-3} as an ordinary number.

(1)

(c) Write the following numbers in order of size.
Start with the smallest number.

0.038×10^2 3800×10^{-4} 380 0.38×10^{-1}

(2)

[4 marks]

3. (a) Write 80 as a product of prime factors.

(2)

(b) Matt and Dan cycle around a cycle track.
Each lap Matt cycles takes him 50 seconds.
Each lap Dan cycles takes him 80 seconds.
Dan and Matt start cycling at the same time at the start line.
Work out how many laps they will each have cycled when they are next at the start line together.

(2)

[4 marks]