**National 5 Engineering Science**

 **Homework 2 – The Use of Prefixes**

Because of the wide range of numbers used in engineering and science it is far more convenient to express numbers using international prefixes. Below outlined is two extremes:

0.000000000001 if we use the prefix pico or (p) we can express this number as 1p

1,000,000 if we use the prefix mega or (M) we can express this number as 1M

By making reference to the Data Booklet in the engineering science section of the school website answer the following questions.

1. 1,000 = 13) 3,450 =
2. 14,000 = 14) 122,000 =
3. 992 = 15) 3,400 =
4. 4,700 = 16) 12,000 =
5. 132,000 = 17) 9,800 =
6. 5,600,000 = 18) 9,200,000 =
7. 4.7 = 19) 2,300 =
8. 1,800 = 20 ) 2,500 =
9. 0.021 = 21) 0.001 =
10. 0.000021 = 22) 0.000000010 =
11. 0.009 = 23) 10 =
12. 0.099 = 24) 0.0005 =

**Name :**

**12 Marks**