

Significant Figures (A)

ANSWERS



Section A

- 1) Write down the first significant figure in the number 81049 **8**
- 2) Write down the second significant figure in the number 73.29 **3**
- 3) Write down the second significant figure in the number 1.7328 **7**
- 4) Write down the third significant figure in the number 2.60153 **0**

Section B

Round the following to....	1 Significant Figure	2 Significant Figures
29	30	
263	300	260
118	100	120
307	300	310
945	900	950
816	800	820
741	700	740
587	600	590

Round the following to....	1 Significant Figure	2 Significant Figures
95	100	
7459	7000	7500
5846	6000	5800
4012	4000	4000
1558	2000	1600
9062	9000	9100
7726	8000	7700
9964	10 000	10 000

Section C

Round the following to....	1 Significant Figure	2 Significant Figures	
6.82	7	6.8	
3.93	4	3.9	
14.5	10	15	
27.4	30	27	3 Significant Figures
8211	8000	8200	8210
3079	3000	3100	3080
5595	6000	5600	5600

Section D: Round to the Significant figure indicated

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|------------------------------|-------------------------------|---------------------------------|
| 1) 8272 (to 1sf) 8000 | 6) 7.4 (to 1sf) 7 | 11) 8.3445 (to 2sf) 8.3 |
| 2) 5448 (to 3sf) 5450 | 7) 18.1 (to 2sf) 18 | 12) 82.7841 (to 1sf) 80 |
| 3) 97 (to 1sf) 100 | 8) 29.3 (to 1sf) 30 | 13) 125.555 (to 3sf) 126 |
| 4) 2.9 (to 1sf) 3 | 9) 42.84 (to 3sf) 42.8 | 14) 9.7299 (to 1sf) 10 |
| 5) 4.31 (to 2sf) 4.3 | 10) 73.6 (to 1sf) 70 | 15) 9.9566 (to 2sf) 10 |