**Estimation - Using 1 Significant Figure**

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| **1)** Estimate the answer by rounding each number to 1 significant figure first      a)     672.23  $+$ 161.93                   b)     454.29  $-$ 378.22                   c)     163.15  $×$ 1.2               | [7]   |
|      d)     74.46  $÷$ 7.9                   e)     39.83  $×$ 51.63  $÷$ 38                       f)     13.353  $×$ 0.526               |  |
|      g)     113.142  $÷$ 0.219               |  |
| **2)** Estimate the answer by rounding each number to 2 significant figures first      a)     574.42  $+$ 485.57                   b)     687.33  $-$ 561.27               | [2]   |
| **3)** Estimate the answer by rounding the base to 1 significant figure first            $28.16^{2}$         | [1]   |

**Solutions for the assessment Estimation - Using 1 Significant Figure**

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| **1)**  a) 700  $+$ 200 = 900Exact answer = 834.16 |      b) 500  $-$ 400 = 100Exact answer = 76.07 |
|      c) 200  $×$ 1 = 200Exact answer = 195.78 |      d) 70  $÷$ 8 = 8.75Exact answer = 9.4253164557 |
|      e) 40  $×$ 50  $÷$ 40 = 50Exact answer = 54.1163921053 |      f) 10  $×$ 0.5 = 10  $÷$ 2 = 5Exact answer = 7.023678 |
|      g) 100  $÷$ 0.2 = 100  $×$ 5 = 500Exact answer = 516.630136986 |  |
| **2)**  a) 570  $+$ 490 = 1060Exact answer = 1059.99 |      b) 690  $-$ 560 = 130Exact answer = 126.06 |
| **3)**  $30^{2}$ = 900Exact answer = 792.9856 |  |