**Estimation - Using 1 Significant Figure**

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| **1)** Estimate the answer by rounding each number to 1 significant figure first      a)     869.43  $+$ 361.28                   b)     879.32  $-$ 685.17                   c)     77.78  $×$ 1.1               | [7]   |
|      d)     54.15  $÷$ 8.2                   e)     2.06  $×$ 8.15  $÷$ 3.81                       f)     181.141  $×$ 0.117               |  |
|      g)     116.677  $÷$ 0.521               |  |
| **2)** Estimate the answer by rounding each number to 2 significant figures first      a)     655.37  $+$ 561.12                   b)     551.79  $-$ 358.43               | [2]   |
| **3)** Estimate the answer by rounding the base to 1 significant figure first            $27.17^{2}$         | [1]   |

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

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| **1)**  a) 900  $+$ 400 = 1300Exact answer = 1230.71 |      b) 900  $-$ 700 = 200Exact answer = 194.15 |
|      c) 80  $×$ 1 = 80Exact answer = 85.558 |      d) 50  $÷$ 8 = 6.25Exact answer = 6.60365853659 |
|      e) 2  $×$ 8  $÷$ 4 = 4Exact answer = 4.40656167979 |      f) 200  $×$ 0.1 = 200  $÷$ 10 = 20Exact answer = 21.193497 |
|      g) 100  $÷$ 0.5 = 100  $×$ 2 = 200Exact answer = 223.948176583 |  |
| **2)**  a) 660  $+$ 560 = 1220Exact answer = 1216.49 |      b) 550  $-$ 360 = 190Exact answer = 193.36 |
| **3)**  $30^{2}$ = 900Exact answer = 738.2089 |  |