**Calculations and Accuracy (H)**

Pre-Intervention Assessment

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| **Question** | **Objective** | **RAG** |
|  1 | Round numbers |  |
|  2 | Estimate answers to calculations |   |
|  3 | State the limits of accuracy |   |
|  4 | Calculate with bounds |   |

**1.** Write 6431 to the nearest thousand.

...........................................................

**2.** Jayne writes down the following

3.4 × 5.3 = 180.2

Without doing the exact calculation, explain why Jayne’s answer cannot be correct.

….........................................................................................................................

….........................................................................................................................

….........................................................................................................................

**3.** Jim rounds a number, *x*, to one decimal place.
The result is 7.2

Write down the error interval for *x*.

……………………………………

**4.** *a* is 8.3 cm correct to the nearest mm
*b* is 6.1 cm correct to the nearest mm

 

Calculate the upper bound for *c*.
You must show your working.

........................................................... cm

[Glue here]