**Calculations and Accuracy (H)**

Pre-Intervention Assessment

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

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

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

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| --- | --- | --- |
| **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.

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**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.

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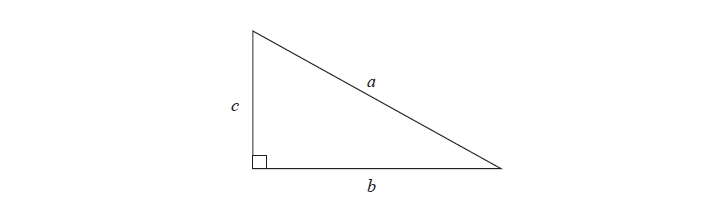
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**3.** Jim rounds a number, *x*, to one decimal place.   
The result is 7.2

Write down the error interval for *x*.

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**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]