**Calculations and Accuracy (F)**

Pre-Intervention Assessment

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

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

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

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| **Question** | **Objective** | **RAG** |
| 1 | Calculate with directed numbers |  |
| 2 | Understand place value |  |
| 3 | Apply the correct order of operations |  |
| 4 | Round numbers |  |
| 5 | Estimate answers to calculations |  |

**1.** Mr Snow stayed some time at the South Pole.

The highest temperature there was –30 °C.  
The lowest temperature there was –57 °C.

a) Work out the difference between the highest temperature and the lowest temperature at the South Pole.

….........................°C

Mr Snow returned to his house in London.  
The temperature outside his house was –2 °C.  
The temperature inside his house was 12 °C higher.

b) Work out the temperature inside his house.

….........................°C

**2.** (a)  Write these numbers in order of size. Start with the smallest number.

3517 7135 5713 1357

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(b)   Write these numbers in order of size. Start with the smallest number.

0.354 0.4 0.35 0.345

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**3.** (a) Work out the value of (2 + 3) × 4 + 5

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(b) Add brackets ( ) to make each statement correct.  
You may use more than one pair of brackets in each statement.

(i) 2 + 3 × 4 + 5 = 29

(ii) 2 + 3 × 4 + 5 = 45

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

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**5.** 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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[Glue here]