Phase 7 Estimating and Rounding Assessment

Phase 7 Progression Overview	Assessment Note	Marks
I can estimate the position of any number up to 1 000 000 on a number line	Question 1	4
I can round whole numbers to the nearest 1000, 10 000, and 100 000	Question 2	6
I can round decimal fractions to the nearest whole number, to one decimal place	Question 3	4
I can apply knowledge of rounding to give an estimate to a calculation appropriate to the context	Question 4	2
	TOTAL MARKS	**/16**

	Question	Mark
1	**I can estimate the position of any number up to 1 000 000 on a number line** a.) What number could the **?** represent? Explain how you know.  a.) What number could the **X** represent? Explain how you know. 	4
2	**I can round whole numbers to the nearest 1000, 10 000, and 100 000** a.) Round 3648 to the nearest 1000: _____ b.) Round 205 620 to the nearest 1000: _____ c.) Round 63 899 to the nearest 10 000: _____ d.) Round 905 505 to the nearest 10 000: _____ e.) Round 43 200 to the nearest 100 000: _____ f.) Round 650 750 to the nearest 100 000: _____	6

3	**I can round decimal fractions to the nearest whole number, to one decimal place** (a) Molly ran **3.76 km** in a fun run. Round 3.76 km to the nearest whole kilometre. (b) A bottle contains **1.348 litres** of juice. Round 1.348 L to one decimal place. (c) A scientist measures the length of a leaf as **5.94 cm**. Round 5.94 cm to the nearest whole number. (d) Round 5.94 cm to one decimal place.	4
4	**I can apply knowledge of rounding to give an estimate to a calculation appropriate to the context** a.) A class is going on a school trip to the museum. The total cost is **£287** for the bus and **£463** for entry tickets. Use rounding to estimate the total cost of the trip. Show your thinking.	2