



DEEPENING UNDERSTANDING ANSWER SHEET

PROGRESSION IN MASTERY – YEAR 5 ROUND NUMBERS TO ONE MILLION

FLUENCY

F1

		10,000	100,000	1,000,000
Cyprus	1,189,085	1,190,000	1,200,000	1,000,000
Jamaica	2,898,677	2,900,000	2,900,000	3,000,000
Norway	5,353,363	5,350,000	5,400,000	5,000,000
Ireland	4,803,748	4,800,000	4,800,000	5,000,000

F2

Rounds to 600,000: 554,718 613,918 574,198

Rounds to 700,000: 723,817 678,716 691,351 749,143

Does not fit: 549,615

F3

10	100	1000	10,000	100,000	1,000,000
1,234,570	1,234,600	1,235,000	1,230,000	1,200,000	1,000,000



F4 415,716 has been rounded to the nearest 10,000.

Millie could have rounded 499,995 to the nearest 10, 100, 1000, 10,000 or 100,000.

Millie could have rounded 4,012,513 to the nearest 100,000 or 1,000,000.

REASONING

R1 When Alfie rounds 349,998 to the nearest 1,000 or 10,000, the answer will be the same (350,000). There are various numbers where this will also be the case.

R2 Anita's number can be anywhere between 350,000-449,999
Darcey's number can be anywhere between 6,500,000 and 7,499,999

R3 Viewing rating could be anywhere between 1,150,000 and 1,249,999.

R4 This is sometimes true. It is true if the number has six digits or less. If the number has more than six digits, there could be digits in any column to the left of the hundred thousands column.

PROBLEM SOLVING

PS1 There are many possibilities. Any two six digit numbers with a difference of fifty, where the last four digits are between 4,950 and 5,049 will work.
One example is 524,999 and 525,049.

PS2 This will not always be true. Where both numbers round up or both number round down, then the answer will be the same. If one number rounds up and one number rounds down, the answers will differ.

