7a. Which number is the odd one out when rounded to the nearest million and rounded to the nearest hundred thousand? Explain your answers.

Two million, four hundred and fifty-three thousand, DCCXIV

2,513,DCLXXIV

2,364,CXXXIII

Two million, four hundred and ninety-five thousand, three hundred and thirty-one

7b. Which number is the odd one out when rounded to the nearest hundred thousand and rounded to the nearest ten thousand? Explain your answers.

Six million, five hundred and forty-five thousand, CCV

6,545,DCCLXXXIX

6,551,222

Six million, four hundred and ninety-one thousand, DVI

8a. Work out which child has which number. Find two possible solutions.

4,453,CCLV | 4,506,CCXLIV | 4,510,361

To the nearest hundred thousand, my number rounds to four and a half million. — Andrew

To the nearest million, my number rounds to four million. — Pippa

To the nearest ten thousand, my number rounds to 4,510,000. — Rose

8b. Work out which child has which number. Find two possible solutions.

2,504,DLXXXIV | 2,504,499 | 2,004,CMXCIX

To the nearest million, my number rounds to two million. — Jack

To the nearest ten thousand, my number rounds to two and half million. — Madeline

To the nearest thousand, my number rounds to two million, five hundred and five thousand. — Kieran

9a. Harrison is rounding numbers. He says,

I think that 4,505,CMXCII rounded to the nearest hundred thousand and rounded to the nearest ten thousand makes the same number.

Is he correct? Explain your answer.

9b. Abigail is rounding numbers. She says,

I think that rounding six million, thirty thousand, DCCXLII to the nearest ten thousand and thousand makes 6,030,000 both times.

Is she correct? Explain your answer.

7a. To the nearest million, the odd one out is 2,513,674 (numbers and Roman numerals). When rounded to the nearest hundred thousand, the odd one out is 2,364,133.

8a. The children can have the following numbers:
Andrew – 4,453,255 or 4,506,244 or 4,510,361
Pippa – 4,453,255
Rose – 4,506,244 or 4,510,361
A solution where each child has a different number is acceptable.

9a. Harrison is incorrect because 4,505,CMXCII (4,505,992) rounded to the nearest hundred thousand is 4,500,000, but rounded to the nearest ten thousand it is 4,510,000.

7b. To the nearest hundred thousand, the odd one out is 6,551,222. When rounded to the nearest ten thousand, the odd one out is 6,491,506 (words and Roman numerals).

8b. The children can have the following numbers:
Jack – 2,004,999
Madeline – 2,504,584 or 2,504,499
Kieran – 2,504,584 or 2,504,499
A solution where each child has a different number is acceptable.

9b. Abigail is incorrect because 6,030,DCCXLII (6,030,742) rounded to the nearest ten thousand is 6,030,000, but rounded to the nearest thousand is 6,031,000.