**1)** Complete the table.

|  | 654 | 1095 | 7561 | 8947 |
|---|---|---|---|---|
| Rounded to the nearest 10 |  |  |  |  |
| Rounded to the nearest 100 |  |  |  |  |
| Rounded to the nearest 1000 |  |  |  |  |

**2)** Circle the numbers that would be 5500 when rounded to the nearest 100.

5349          500          5456          5445          5549

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**1)** James says that 1595 rounded to the nearest 10 is 1590. Rami says it is 1600 and Neil says it is 1610. Who do you agree with and why?

**2)** Callum is rounding 5635. Here are his answers.

| To the nearest 10 | 40 |
|---|---|
| To the nearest 100 | 600 |
| To the nearest 1000 | 6000 |

What mistakes has Callum made? What advice would you give him to make sure he doesn't make the same mistakes again?

1) Damon is talking to Sandy about how old his grandmother is. He says that rounded to the nearest 10, she is 70 years old. How old could Damon's grandmother be? Explain your thinking.

2) Geri is estimating how many people will be coming to the concert. She says that to the nearest 1000, there will be 15 000 people.

   a) Give three possible answers for how many people could be attending.

   b) What are the fewest and the greatest numbers of people that could be coming to the concert?

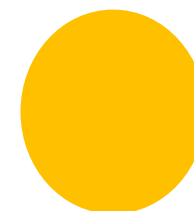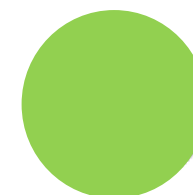3) When rounded to the nearest 10, 100 and 1000, my number is 5000. What could my number be?

# ANSWERS

**1)**

| | | | |
|---|---|---|---|
| 650 | 1100 | 7560 | 8950 |
| 700 | 1100 | 7600 | 8900 |
| 1000 | 1000 | 8000 | 9000 |

**2)** ( 5456 )   ( 5549 )

1) Rami is correct. The next multiple of 10 after 1595 is 1600 and, as the ones digit is a 5, we round up to the next multiple of 10.

2) When rounding to the nearest 10 and 100, Callum has missed off the other digits in his answers which has changed the entire value of the number. 5640 and 5600 are the correct answers. He needs to remember to include the digits to the left of those he is not rounding.

1) Damon's grandmother could be any age from 65-74. Look for explanations that show an understanding of the rules of rounding to the nearest 10 by looking at the ones. 4 or less in the ones would mean rounding down, whereas 5 or more would mean rounding up.

2) a) Accept any whole number answers between 14 500 and 15 499.

   b) Fewest number of people is 14 500. Greatest number of people is 15 499.

3) Accept any number between 4995 and 5004.