Round to estimate and approximate



Rosie is working out 2,937 + 1,870

Rosie rounds each number to the nearest 1,000 to estimate the answer.

Complete the sentences.

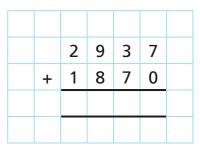
2,937 rounded to the nearest 1,000 is

1,870 rounded to the nearest 1,000 is

Rosie's estimate for the answer is



Complete the column addition to work out the actual answer.



The actual answer is

- Round each number to the nearest 10,000 to estimate the answer to the calculations.
 - **a)** 12,063 + 29,580

3 Annie works out 7,320 + 912



Use approximations to show that Annie is incorrect.

4 Complete the calculations.

Use approximations to check your answers.

The table shows the number of people of different ages living in three towns.

| | Town A | Town B | Town C |
|----------|--------|--------|--------|
| Under 16 | 3,765 | 8,283 | 10,301 |
| 16 to 65 | 35,835 | 14,100 | 24,554 |
| Over 65 | 1,949 | 9,821 | 656 |

Estimate which town has got the greatest population.

Town ____ has the greatest population.

- 6 Are these statements correct? How do you know?
 - a) 29,999 9,999 = 30,000 10,000

b) 17,550 + 10,570 > 17,550 + 9,985

- c) 17,990 + 75,980 17,990 = 12,975 + 75,980 12,975

Mo has made a mistake with this calculation.

Use rounding and approximating to show how you know.

8 Mr Khan writes this question on the board.

7,395 – 711

Dexter's estimate is 7,000 - 1,000 = 6,000

Whitney's estimate is 7,400 - 700 = 6,700

Whose estimate do you agree with? _____

Explain your answer.

Work out the actual answer.

Whose estimate was the closest? _____

Talk about it with a partner.



