Rounding/checking

6 questions | 9 marks

Equivalent correct methods earn the corresponding marks.

1. Round 3,674 to the nearest ten. [1 mark]

The ones digit is 4, so the lower ten is nearer.

Answer: 3,670.

2. Round 6,450 to the nearest hundred. [1 mark]

It is halfway, so use the higher hundred.

Answer: 6,500.

3. Round 7,499 to the nearest thousand. [1 mark]

It is below the halfway point 7,500.

Answer: 7,000.

4. Estimate 386 + 512 by rounding each number to the nearest hundred. [2 marks]

386 rounds to 400; 512 rounds to 500.

400 + 500 = 900.

Answer: 900.

5. Estimate 1,204 − 598 to the nearest hundred, then find the exact difference. [2 marks]

1,200 − 600 = 600.

1,204 − 600 + 2 = 606.

Answer: Estimate 600; exact difference 606.

6. 2,341 and 2,349 both round to 2,300 to the nearest hundred. Does this mean they are equal? Explain. [2 marks]

2,349 − 2,341 = 8.

Rounding groups nearby values; it does not make them equal.

Answer: No. Their exact values differ by 8.