Rounding/estimating quantities

6 questions | 8 marks

Equivalent correct methods earn the corresponding marks.

1. Round 64,783 to the nearest thousand. [1 mark]

64,783 is above 64,500, so round up.

Answer: 65,000

2. Round 11,849 to the nearest hundred. [1 mark]

11,849 is below the halfway point 11,850.

Answer: 11,800

3. Round 195 to the nearest ten. [1 mark]

195 is halfway between 190 and 200; round up.

Answer: 200

4. Estimate 396×21 using nearby multiples of ten or one hundred. [2 marks]

396 is about 400 and 21 is about 20; $400 \times 20 = 8,000$.

Answer: About 8,000

5. Estimate $448 + 251$ by rounding each amount to the nearest hundred. [1 mark]

448 rounds to 400; 251 rounds to 300; $400 + 300 = 700$.

Answer: About 700

6. Find the smallest and largest whole numbers that round to 5,600 to the nearest hundred. [2 marks]

5,550 is the first whole number rounding up to 5,600. At 5,650 the rounded answer changes to 5,700.

Answer: 5,550 and 5,649