

# Estimate and Exact Sums

Name: \_\_\_\_\_ Score: \_\_\_\_\_

First estimate the answer by rounding both addends to the nearest thousand and then calculate the exact answer. Compare the outcomes.



Example:  $5,453 + 2,456 \approx \underline{5,000} + \underline{2,000} \approx \underline{7,000}$  Exact Answer:  $\underline{7,909}$

$$5,167 + 3,078 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$4,448 + 5,109 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$4,590 + 2,105 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$5,472 + 2,332 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$2,988 + 3,221 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$4,011 + 2,098 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$3,990 + 3,227 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$6,003 + 2,404 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$3,987 + 2,222 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$6,098 + 1,004 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$4,922 + 2,111 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$7,123 + 1,309 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$2,765 + 2,223 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

$$4,004 + 3,889 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer: \_\_\_\_\_

# Answers



First estimate the answer by rounding both addends to the nearest thousand and then calculate the exact answer. Compare the outcomes.

Example:  $5,453 + 2,456 \approx \underline{5,000} + \underline{2,000} \approx \underline{7,000}$  Exact Answer:  $\underline{7,909}$

$5,167 + 3,078 \approx \underline{5,000} + \underline{3,000} \approx \underline{8,000}$

Exact Answer:  $\underline{8,245}$

$4,448 + 5,109 \approx \underline{4,000} + \underline{5,000} \approx \underline{9,000}$

Exact Answer:  $\underline{9,557}$

$4,590 + 2,105 \approx \underline{5,000} + \underline{2,000} \approx \underline{7,000}$

Exact Answer:  $\underline{6,695}$

$5,472 + 2,332 \approx \underline{5,000} + \underline{2,000} \approx \underline{7,000}$

Exact Answer:  $\underline{7,804}$

$2,988 + 3,221 \approx \underline{3,000} + \underline{3,000} \approx \underline{6,000}$

Exact Answer:  $\underline{6,209}$

$4,011 + 2,098 \approx \underline{4,000} + \underline{2,000} \approx \underline{6,000}$

Exact Answer:  $\underline{6,109}$

$3,990 + 3,227 \approx \underline{4,000} + \underline{3,000} \approx \underline{7,000}$

Exact Answer:  $\underline{7,217}$

$6,003 + 2,404 \approx \underline{6,000} + \underline{2,000} \approx \underline{8,000}$

Exact Answer:  $\underline{8,407}$

$3,987 + 2,222 \approx \underline{4,000} + \underline{2,000} \approx \underline{6,000}$

Exact Answer:  $\underline{6,209}$

$6,098 + 1,004 \approx \underline{6,000} + \underline{1,000} \approx \underline{7,000}$

Exact Answer:  $\underline{7,102}$

$4,922 + 2,111 \approx \underline{5,000} + \underline{2,000} \approx \underline{7,000}$

Exact Answer:  $\underline{7,033}$

$7,123 + 1,309 \approx \underline{7,000} + \underline{1,000} \approx \underline{8,000}$

Exact Answer:  $\underline{8,432}$

$2,765 + 2,223 \approx \underline{3,000} + \underline{2,000} \approx \underline{5,000}$

Exact Answer:  $\underline{4,988}$

$4,004 + 3,889 \approx \underline{4,000} + \underline{4,000} \approx \underline{8,000}$

Exact Answer:  $\underline{7,893}$