

# Estimate and Exact Sums

Name: \_\_\_\_\_ Class: \_\_\_\_\_

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



Example:  $553 + 256 \approx \underline{600} + \underline{300} \approx \underline{900}$  Exact Answer:  $\underline{809}$

$$234 + 633 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$225 + 275 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$127 + 721 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$529 + 215 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$334 + 288 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$540 + 252 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$511 + 411 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$533 + 233 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$331 + 123 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$350 + 213 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$509 + 220 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$421 + 178 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$512 + 212 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$501 + 291 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$421 + 355 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

$$675 + 249 \approx \underline{\quad} + \underline{\quad} \approx \underline{\quad}$$

Exact Answer:  $\underline{\quad}$

# Answers

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



Example:  $553 + 256 \approx \underline{600} + \underline{300} \approx \underline{900}$  Exact Answer:  $\underline{809}$

$$234 + 633 \approx \underline{200} + \underline{600} \approx \underline{800}$$

Exact Answer:  $\underline{867}$

$$225 + 275 \approx \underline{200} + \underline{300} \approx \underline{500}$$

Exact Answer:  $\underline{500}$

$$127 + 721 \approx \underline{100} + \underline{700} \approx \underline{800}$$

Exact Answer:  $\underline{848}$

$$529 + 215 \approx \underline{500} + \underline{200} \approx \underline{700}$$

Exact Answer:  $\underline{744}$

$$334 + 288 \approx \underline{300} + \underline{300} \approx \underline{600}$$

Exact Answer:  $\underline{622}$

$$540 + 252 \approx \underline{500} + \underline{300} \approx \underline{800}$$

Exact Answer:  $\underline{792}$

$$511 + 411 \approx \underline{500} + \underline{400} \approx \underline{900}$$

Exact Answer:  $\underline{922}$

$$533 + 233 \approx \underline{500} + \underline{200} \approx \underline{700}$$

Exact Answer:  $\underline{766}$

$$331 + 123 \approx \underline{300} + \underline{100} \approx \underline{400}$$

Exact Answer:  $\underline{454}$

$$350 + 213 \approx \underline{400} + \underline{200} \approx \underline{600}$$

Exact Answer:  $\underline{563}$

$$509 + 220 \approx \underline{500} + \underline{200} \approx \underline{700}$$

Exact Answer:  $\underline{729}$

$$421 + 178 \approx \underline{400} + \underline{200} \approx \underline{600}$$

Exact Answer:  $\underline{599}$

$$512 + 212 \approx \underline{500} + \underline{200} \approx \underline{700}$$

Exact Answer:  $\underline{724}$

$$501 + 291 \approx \underline{500} + \underline{300} \approx \underline{800}$$

Exact Answer:  $\underline{792}$

$$421 + 355 \approx \underline{400} + \underline{400} \approx \underline{800}$$

Exact Answer:  $\underline{776}$

$$675 + 249 \approx \underline{700} + \underline{200} \approx \underline{900}$$

Exact Answer:  $\underline{924}$