

1-8 Practice

Name Key

Date _____

Write a number sentence that shows an estimate of each answer. Then write the exact answer.

- ① $48 + 35$ $50 + 35 = 85$ (93) $50 + 40 = 90$
- ② $427 + 74$ $400 + 74 = 474$ (501) $400 + 100 = 500$
- ③ $4,097 + 879$ $4,100 + 879 = 4,979$ (4976) $4,000 + 900 = 4,900$

Find the total. Add mentally if you can.

- ④ $\begin{array}{r} 5 \\ 6 \\ 4 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 44 \\ 68 \\ + 46 \\ \hline \end{array}$ $\begin{array}{r} 37 \\ 55 \\ 23 \\ + 45 \\ \hline \end{array}$ $\begin{array}{r} 129 \\ 585 \\ + 361 \\ \hline \end{array}$ $\begin{array}{r} 263 \\ 127 \\ 181 \\ + 203 \\ \hline \end{array}$

Solve.

Show your work.

- ⑨ Johanna's coin collection includes 678 domestic and 209 foreign coins.

About how many domestic and foreign coins does Johanna have altogether?

$680 + 200 = 880$ about 880 coins

Exactly how many domestic and foreign coins does Johanna have altogether?

$678 + 209 = t$ $t = 887$ coins

$$\begin{array}{r} 678 \\ + 207 \\ \hline 885 \end{array}$$

- ⑩ Plane A travels 184,582 miles. Plane B travels 72,175 miles. How many miles in all do the two planes travel?

$184,582 + 72,175 = t$ $t = 256,757$ miles

$$\begin{array}{r} 184,582 \\ + 72,175 \\ \hline 256,757 \end{array}$$

Explain how you can use estimation to check that your answer is reasonable.

$200,000 + 72,000 = 272,000$ miles

my answer is reasonable because I rounded up and my estimate is a little higher than my exact answer