

Determining Sums Using Mental Strategies

- 1** Jan was asked to determine the sum of $64 + 32$. Jan's method and solution are shown below.

$$\begin{array}{r} 64 + 32 \\ (60 + 4) + (30 + 2) \\ \swarrow \quad \searrow \\ 90 + 6 \\ 96 \end{array}$$

Determine this sum using Jan's method.

$$53 + 26$$

- 2** Charlie was asked to determine the sum of $46 + 28$. Charlie's method and solution are shown below.

$$\begin{array}{r} 46 + 28 \\ (40 + 20) + (6 + 8) \\ 60 + 14 \\ 60 + 10 + 4 \\ \swarrow \quad \searrow \\ 70 + 4 \\ 74 \end{array}$$

Determine this sum using Charlie's method.

$$56 + 37$$

- 3** Maria was asked to determine the sum of $84 + 39$. Maria's method and solution are shown below.

$$\begin{array}{r} 84 + 39 \\ (80 + 30) + (4 + 9) \\ 110 + 13 \\ (110 + 10) + 3 \\ 120 + 3 \\ 123 \end{array}$$

Determine this sum using Maria's method.

$$74 + 58$$