

Lesson 4 Reteach

Add Mentally

Mental addition is easier if you make one of the addends a ten (10, 20, 30, and so on).

You can use this method to add $49 + 28$ mentally.

$$\begin{array}{r}
 49 \quad 49 \text{ is close to } 50. \text{ Add } 1 \text{ to } 49. \longrightarrow 50 \\
 + 28 \quad \text{Since } 1 \text{ was added to } 49, \\
 \quad \quad \text{take } 1 \text{ away from } 28. \longrightarrow + 27 \\
 \hline
 77
 \end{array}
 \left. \vphantom{\begin{array}{r} 49 \\ + 28 \end{array}} \right\} \text{ Now you have two}$$

numbers that are easy to add.

When adding more than two numbers mentally, try to group addends that make a ten.

$$\begin{array}{r}
 4 + 18 + 6 + 1 \\
 \swarrow \quad \searrow \\
 10 + 18 + 1 = 29
 \end{array}$$

You can do this because the Associative Property of Addition says that the way addends are grouped does not affect the sum.

Make a ten to mentally add.

$$\begin{array}{r}
 1. \quad 32 \quad \quad \mathbf{30} \\
 \quad + 65 \quad + \mathbf{67} \\
 \hline
 \quad \quad \quad \mathbf{97}
 \end{array}$$

$$\begin{array}{r}
 2. \quad 78 \quad \quad \mathbf{80} \\
 \quad + 15 \quad + \mathbf{13} \\
 \hline
 \quad \quad \quad \mathbf{93}
 \end{array}$$

$$\begin{array}{r}
 3. \quad 17 \quad \quad \mathbf{20} \\
 \quad + 44 \quad + \mathbf{41} \\
 \hline
 \quad \quad \quad \mathbf{61}
 \end{array}$$

$$\begin{array}{r}
 4. \quad 56 \quad \quad \mathbf{58} \\
 \quad + 22 \quad + \mathbf{20} \\
 \hline
 \quad \quad \quad \mathbf{78}
 \end{array}$$

Find each sum mentally.

$$5. \quad 12 + 6 + 8 = \underline{\mathbf{26}}$$

$$6. \quad 7 + 55 + 3 = \underline{\mathbf{65}}$$

$$7. \quad 5 + 27 + 15 = \underline{\mathbf{47}}$$

$$8. \quad 16 + 31 + 4 = \underline{\mathbf{51}}$$

$$9. \quad 39 + 14 + 1 = \underline{\mathbf{54}}$$

$$10. \quad 4 + 63 + 5 + 1 = \underline{\mathbf{73}}$$