Make Ninety Addition Strategy (A)

Name:

Date:

$$87 + 8 =$$

Keep Split

 $87 + 3 + 5 = 95$

$$\begin{array}{c}
89 + 9 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$
Reep Split = =

$$\begin{array}{c}
88 + 5 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
88 + 8 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90$$

$$\begin{array}{ccc}
84 + 7 &= \\
& \downarrow & \downarrow \\
& + & + & = \\
& & \downarrow & \downarrow \\
& & & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow \\
& & & & \downarrow & \downarrow & \downarrow \\
& & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow &$$

$$87 + 7 =$$
Keep Split
$$+ + =$$
Make 90

Make Ninety Addition Strategy (A) Answers

Name:

Date:

$$87 + 8 = \frac{1}{100}$$
 $100 + 100 = \frac{1}{100}$
 $100 + 1$

$$89 + 9 =$$

Keep Split

 $89 + 1 + 8 = 98$

Make 90

$$88 + 5 = \frac{1}{100}$$
 $88 + 5 = \frac{1}{100}$
 $88 + 2 + 3 = 93$

$$88 + 8 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$88 + 2 + 6 = 96$$

$$Make 90$$

$$83 + 9 =$$

Keep Split

 $83 + 7 + 2 = 92$

Make 90

$$88+6=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+4=94$$

$$Make 90$$

$$86 + 8 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$86 + 4 + 4 = 94$$

$$Make 90$$

$$89 + 8 =$$

Keep Split

 $99 + 1 + 7 = 97$

Make 90

$$84 + 7 =$$

Keep Split

 $4 + 6 + 1 = 91$

Make 90

$$87 + 7 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$87 + 3 + 4 = 94$$
Make 90

Make Ninety Addition Strategy (B)

Name:

Date:

$$86+7=$$
 \downarrow
 $86+4+3=93$

$$85 + 7 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \qquad \downarrow \qquad \qquad$$

$$\begin{array}{c}
87 + 6 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\$$

$$\begin{array}{c}
83 + 8 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}
\end{array}$$

$$\begin{array}{c}
89 + 7 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad \qquad + \qquad = \\
\hline
Make 90$$

$$\begin{array}{c}
89+6 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
84 + 9 = \\
\text{Keep Split} \\
+ + = \\
\text{Make } 90
\end{array}$$

Make Ninety Addition Strategy (B) Answers

Name:

Date: ____

$$86+7=$$

Keep Split

 $86+4+3=93$

$$85 + 7 =$$

Keep Split

 $85 + 5 + 2 = 92$

$$87 + 6 = \frac{1}{100}$$
 $100 + 6 = \frac{1}{100}$
 $100 + 6 = \frac{1}{100}$

$$89+7=$$
 \downarrow
 $89+1+6=96$
 $89+7=$

$$84 + 9 =$$

Keep Split

 $4 + 6 + 3 = 93$

$$89 + 4 =$$

Keep Split

 $89 + 1 + 3 = 93$

Make 90

$$88+3=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+1=91$$

$$Make 90$$

$$83 + 8 =$$

Keep Split

 $4 + 7 + 1 = 91$

Make 90

$$89+6 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$89+1+5=95$$

$$Make 90$$

$$88 + 7 =$$

Keep Split

 $\frac{1}{88 + 2} + 5 = 95$

Make Ninety Addition Strategy (C)

Name:

Date:

$$85 + 6 =$$

Keep Split

 $85 + 5 + 1 = 91$

$$88+4=$$
Keep Split
$$++=$$
Make 90

$$\begin{array}{c}
89 + 2 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$

$$85 + 9 =$$
Keep Split
$$+ + =$$
Make 90

$$\begin{array}{c}
86+6 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

Make Ninety Addition Strategy (C) Answers

Name:

Date:

$$85 + 6 =$$
 \downarrow
 $85 + 5 + 1 = 91$
 $Make 90$

$$85 + 8 = \frac{1}{100}$$
 $85 + \frac{1}{100}$
 $85 + \frac{1}{100}$

$$85 + 9 =$$

Keep Split

 $85 + 5 + 4 = 94$

Make 90

$$87 + 4 = \frac{1}{100}$$
 $100 + 100 = \frac{1}{100}$
 $100 + 1$

$$88 + 4 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$82 + 9 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$82 + 8 + 1 = 91$$

$$Make 90$$

$$86+6=$$

Keep Split

 $86+4+2=92$

Make 90

$$84 + 8 =$$

Keep Split

 $4 + 6 + 2 = 92$

Make 90

Make Ninety Addition Strategy (D)

Name:

Date:

$$84 + 9 =$$

Keep Split

 $84 + 6 + 3 = 93$

Make 90

$$\begin{array}{c}
89 + 2 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90
\end{array}$$

$$87 + 7 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$\begin{array}{c}
89 + 7 = \\
\downarrow & \downarrow \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
89 + 3 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}
\end{array}$$

$$\begin{array}{c}
87 + 6 = \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90
\end{array}$$

$$\begin{array}{c}
88 + 7 = \\
\text{Keep} & \text{Split} \\
+ & + = \\
\hline
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
86 + 7 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

Make Ninety Addition Strategy (D) Answers

Name:

Date:

$$84 + 9 =$$

Keep Split

 $84 + 6 + 3 = 93$

Make 90

$$89+7 = \\
\downarrow \qquad \qquad \downarrow \\
89+1+6 = 96$$

$$\frac{89+1}{Make 90}+6 = 96$$

$$87 + 6 = \frac{1}{100}$$
 $100 + 6 = \frac{1}{100}$
 $100 + 6 = \frac{1}{100}$

$$88+7=$$

Keep Split

 $88+2+5=95$

$$83 + 8 =$$

Keep Split

 $83 + 7 + 1 = 91$

Make 90

$$87 + 7 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$87 + 3 + 4 = 94$$

$$Make 90$$

$$84 + 7 =$$

Keep Split

 $4 + 6 + 1 = 91$

Make 90

$$86 + 7 =$$

Keep Split

 $86 + 4 + 3 = 93$

Make Ninety Addition Strategy (E)

Name:

Date:

$$86+5=$$

Keep Split

 $86+4+1=91$

$$\begin{array}{c}
87 + 9 = \\
\text{Keep Split} \\
+ + = \\
\text{Make 90}
\end{array}$$

$$\begin{array}{ccc}
88 + 5 &= \\
& \downarrow & \downarrow \\
& + & + & = \\
\hline
& & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow$$

$$\begin{array}{c}
88+6 = \\
\text{Keep Split} \\
\downarrow \qquad \downarrow \qquad \qquad \\
+ \qquad \qquad + \qquad = \\
\hline
\text{Make 90}$$

$$\begin{array}{c}
87 + 8 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90$$

$$\begin{array}{c}
88 + 8 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
89+6 = \\
\downarrow & \downarrow \\
+ & + = \\
\hline
Make 90
\end{array}$$

Make Ninety Addition Strategy (E) Answers

Name:

Date:

Make ninety to help you calculate each sum.

87 + 9 =

$$86+5=$$

Keep Split

 $86+4+1=91$

$$85 + 7 =$$

Keep Split

 $25 + 5 + 2 = 92$

Make 90

$$88 + 9 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$88 + 2 + 7 = 97$$

$$Make 90$$

$$88+5 = \\
\downarrow \qquad \qquad \downarrow \\
\underline{88+2}+3 = 93$$

$$\underline{Make 90}$$

$$88+6 = \\
\downarrow \qquad \qquad \downarrow \\
88+2+4 = 94$$

$$\xrightarrow{\text{Make } 90}$$

$$87 + 8 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$89 + 6 =$$

Keep Split

 $89 + 1 + 5 = 95$

Make 90

$$86 + 8 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

Make Ninety Addition Strategy (F)

Name:

Date:

$$88 + 4 =$$

Keep Split

 $88 + 2 + 2 = 92$

$$\begin{array}{c}
89 + 5 = \\
\text{Keep Split} \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
\text{Make } 90
\end{array}$$

$$85 + 9 = \\
\text{Keep Split} \\
+ + = \\
\text{Make 90}$$

$$\begin{array}{c}
86+6 = \\
\text{Keep Split} \\
\downarrow \qquad \downarrow \qquad \qquad \\
+ \qquad \qquad + \qquad = \\
\hline
\text{Make 90}$$

$$\begin{array}{c}
84 + 8 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90$$

$$\begin{array}{c}
89 + 4 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
86+9 = \\
& \downarrow \\
+ \\
& \downarrow \\
& \downarrow$$

Make Ninety Addition Strategy (F) Answers

Name:

Date:

$$88 + 4 =$$

Keep Split

 $88 + 2 + 2 = 92$

Make 90

$$89 + 8 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$89 + 1 + 7 = 97$$

$$\xrightarrow{\text{Make } 90}$$

$$89 + 5 = \frac{1}{1} + 4 = 94$$

$$85 + 9 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$85 + 5 + 4 = 94$$

$$\xrightarrow{\text{Make } 90}$$

$$82 + 9 =$$

Keep Split

 $82 + 8 + 1 = 91$

Make 90

$$86+6=$$

Keep Split

 $86+4+2=92$

Make 90

$$84 + 8 =$$
 \downarrow
 $84 + 6 + 2 = 92$

Make 90

$$89 + 4 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$89 + 1 + 3 = 93$$

$$\xrightarrow{\text{Make } 90}$$

$$86+9=$$
 \downarrow
 $86+4+5=95$

Make 90

$$87 + 4 = \frac{1}{4}$$
 $4 + 4 = \frac{1}{4}$
 $4 + 4 = \frac{$

Make Ninety Addition Strategy (G)

Name:

Date:

$$87 + 7 =$$
 \downarrow
 $87 + 3 + 4 = 94$

$$\begin{array}{c}
87 + 5 = \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90
\end{array}$$

$$\begin{array}{c}
88 + 3 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$85 + 8 =$$
Keep Split
$$+ + =$$
Make 90

$$\begin{array}{c}
87 + 8 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90$$

$$85 + 7 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

Make Ninety Addition Strategy (G) Answers

Name:

Date:

$$87 + 7 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$87 + 3 + 4 = 94$$

$$Make 90$$

$$87 + 5 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$88+3=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+1=91$$

$$Make 90$$

$$85 + 8 = \\
\downarrow \qquad \qquad \downarrow \\
85 + 5 + 3 = 93$$

$$\underline{85 + 5}_{\text{Make } 90} + 3 = 93$$

$$86+6=$$

Keep Split

 $86+4+2=92$

Make 90

$$87 + 8 =$$
 $\downarrow \qquad \qquad \downarrow$
 $87 + 3 + 5 = 95$
 $Make 90$

$$85 + 7 =$$

Keep Split

 $1 + 1 = 0$
 $1 + 1 = 0$
 $1 + 1 = 0$
 $1 + 1 = 0$
 $1 + 1 = 0$
 $1 + 1 = 0$

Make 90

$$89+5 = \\
\downarrow \qquad \qquad \downarrow \\
89+1+4 = 94$$

$$\xrightarrow{\text{Make } 90}$$

Make Ninety Addition Strategy (H)

Name:

Date:

$$89 + 7 =$$

Keep Split

 $89 + 1 + 6 = 96$

$$\begin{array}{c}
88+9 = \\
\text{Keep} & \text{Split} \\
+ & + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
88 + 8 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$
Keep Split = =

$$\begin{array}{c}
84 + 8 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
88 + 7 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$87 + 4 =$$
Keep Split
$$+ + =$$
Make 90

$$\begin{array}{c}
88 + 4 = \\
\text{Keep Split} \\
+ + = \\
\text{Make } 90
\end{array}$$

Make Ninety Addition Strategy (H) Answers

Name:

Date:

$$88 + 8 = \frac{1}{100}$$
 $88 + 8 = \frac{1}{100}$
 $88 + 2 + 6 = 96$

$$89 + 6 =$$
 $400 + 6 =$
 $89 + 6 =$
 $89 + 6 =$
 $89 + 6 =$
 $89 + 6 =$
 $89 + 6 =$
 $89 + 6 =$
 $89 + 6 =$
 $89 + 1 + 5 = 95$
 $89 + 1 + 5 = 95$

$$88+6=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+4=94$$

$$Make 90$$

$$88 + 4 =$$

Keep Split

 $88 + 2 + 2 = 92$

Mala 90

$$88+9=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+7=97$$

$$Make 90$$

$$84 + 8 =$$

Keep Split

 $84 + 6 + 2 = 92$

Make 90

$$88 + 7 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$88 + 2 + 5 = 95$$

$$Make 90$$

$$87 + 4 =$$

Keep Split

 $1 + 3 + 1 = 91$

Make 90

$$86+5=$$

$$\downarrow \qquad \qquad \downarrow$$

$$86+4+1=91$$
Make 90

Make Ninety Addition Strategy (I)

Name:

Date:

$$86 + 8 =$$

Keep Split

 $86 + 4 + 4 = 94$

$$86+7=$$
Keep Split
 $++=$
Make 90

$$\begin{array}{c}
88 + 5 = \\
\text{Keep Split} \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad \qquad \qquad \qquad \qquad \qquad = \\
\hline
\text{Make 90}$$

$$83 + 9 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$84 + 9 =$$
Keep Split
$$+ + =$$
Make 90

$$\begin{array}{c}
89 + 4 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad \qquad + \qquad = \\
\hline
Make 90$$

$$\begin{array}{c}
84 + 7 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
89+2 = \\
\downarrow \\
+ \\
\hline
Make 90
\end{array}$$

Make Ninety Addition Strategy (I) Answers

Name:

Date:

$$86 + 8 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$88 + 5 =$$
 \downarrow
 $88 + 2 + 3 = 93$

$$86+9=$$

$$\downarrow \qquad \qquad \downarrow$$

$$86+4+5=95$$

$$Make 90$$

$$89+4=$$

Keep Split

 $89+1+3=93$

$$89 + 2 =$$

Keep Split

 $99 + 1 + 1 = 91$

Mala 99

$$86+7=$$
 \downarrow
 $86+4+3=93$
 $86+4+3=93$

$$83 + 9 =$$

Keep Split

 $4 + 7 + 2 = 92$

Make 90

$$84 + 7 =$$

Keep Split

 $4 + 6 + 1 = 91$

Make 90

$$87 + 6 = \\
\downarrow \qquad \qquad \downarrow \\
87 + 3 + 3 = 93$$
Make 90

Make Ninety Addition Strategy (J)

Name:

Date:

$$86+7=$$
 $4 + 3 = 93$

$$83 + 9 =$$
Keep Split
$$+ + =$$
Make 90

$$\begin{array}{c}
89 + 4 = \\
\text{Keep Split} \\
\downarrow \qquad \downarrow \qquad \qquad \\
+ \qquad \qquad + \qquad = \\
\hline
\text{Make 90}$$

$$\begin{array}{c}
88 + 3 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
88 + 8 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90
\end{array}$$

$$\begin{array}{c}
86+5 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}
\end{array}$$

$$\begin{array}{c}
88 + 7 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad \qquad + \qquad = \\
\hline
Make 90$$

$$87 + 4 =$$
Keep Split
$$+ + =$$
Make 90

$$\begin{array}{c}
89 + 5 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make } 90
\end{array}$$

$$85 + 8 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

Make Ninety Addition Strategy (J) Answers

Name:

Date:

$$86 + 7 =$$

Keep Split

 $86 + 4 + 3 = 93$

$$89 + 4 = \frac{1}{1} + 3 = 93$$

$$88 + 8 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$88 + 2 + 6 = 96$$

$$Make 90$$

$$88 + 7 =$$

Keep Split

 $88 + 2 + 5 = 95$

Make 90

$$89+5=$$

Keep Split

 $49+1+4=94$

$$88+3=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+1=91$$

$$Make 90$$

$$86+5=$$

$$\downarrow \qquad \qquad \downarrow$$

$$86+4+1=91$$

$$Make 90$$

$$87 + 4 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$87 + 3 + 1 = 91$$

$$\xrightarrow{\text{Make 90}}$$

$$85 + 8 =$$

Keep Split

 $4 + 5 + 3 = 93$

Make 90

Make Ninety Addition Strategy (K)

Name:

Date:

$$85 + 7 =$$

Keep Split

 $85 + 5 + 2 = 92$

$$\begin{array}{c}
88 + 4 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
87 + 5 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$82 + 9 =$$
Keep Split
$$+ + =$$
Make 90

$$83 + 8 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$\begin{array}{c}
87 + 7 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make } 90
\end{array}$$

$$87 + 9 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make 90}}{}$$

Make Ninety Addition Strategy (K) Answers

Name:

Date:

$$84 + 7 =$$

Keep Split

 $84 + 6 + 1 = 91$

Make 90

$$89 + 7 =$$

Keep Split

 $89 + 1 + 6 = 96$

Make 90

$$88 + 4 =$$

Keep Split

 $88 + 2 + 2 = 92$

Make 90

$$89 + 8 =$$

Keep Split

 $40 + 10 = 97$

Make 90

$$87 + 5 =$$

Keep Split

 $4 + 3 + 2 = 92$

Make 90

$$82 + 9 =$$
 \downarrow
 $82 + 8 + 1 = 91$
 $Make 90$

$$83 + 8 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$83 + 7 + 1 = 91$$

$$Make 90$$

$$87 + 7 =$$

Keep Split

 $47 + 3 + 4 = 94$

Make 90

$$87 + 9 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$87 + 3 + 6 = 96$$

$$\xrightarrow{\text{Make } 90}$$

Make Ninety Addition Strategy (L)

Name:

Date:

$$89 + 3 =$$
 \downarrow
 $89 + 1 + 2 = 92$

$$\begin{array}{c}
89 + 2 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
88 + 9 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
86 + 9 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad \qquad + \qquad = \\
\hline
Make 90$$

$$\begin{array}{c}
88+6 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
84 + 9 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$
Split

$$\begin{array}{c}
89 + 9 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make } 90
\end{array}$$

Make Ninety Addition Strategy (L) Answers

Name:

Date: ____

$$85 + 6 =$$

Keep Split

 $85 + 5 + 1 = 91$

Make 90

$$89 + 2 =$$

Keep Split

 $89 + 1 + 1 = 91$

Make 90

$$88 + 9 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$86+9=$$
 \downarrow
 $86+4+5=95$

Make 90

$$88+6=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+4=94$$

$$Make 90$$

$$84 + 9 =$$

Keep Split

 $84 + 6 + 3 = 93$

Make 90

Make Ninety Addition Strategy (M)

Name:

Date:

$$84 + 8 =$$

Keep Split

 $44 + 6 + 2 = 92$

Mala 99

$$\begin{array}{c}
86 + 5 = \\
\text{Keep Split} \\
+ + = \\
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
89 + 5 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
88 + 9 = \\
\text{Keep Split} \\
+ + = \\
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
86+6 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\frac{\text{Make } 90}
\end{array}$$

$$\begin{array}{c}
88 + 7 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$

$$87 + 9 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$\begin{array}{c}
89 + 3 = \\
& \downarrow \\
& \downarrow \\
& + \\
& + \\
& = \\
\hline
\text{Make 90}
\end{array}$$

Make Ninety Addition Strategy (M) Answers

Name:

Date: ____

$$84 + 8 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$88 + 8 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$88 + 2 + 6 = 96$$

$$Make 90$$

$$86+5=$$
 \downarrow
 $86+4+1=91$

Make 90

$$89 + 5 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$89 + 1 + 4 = 94$$

$$\xrightarrow{\text{Make } 90}$$

$$88 + 9 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$86+6=$$

Keep Split

 $86+4+2=92$

Make 90

$$88 + 7 =$$
 \downarrow
 $88 + 2 + 5 = 95$

Make 90

$$87 + 9 =$$

Keep Split

 $87 + 3 + 6 = 96$

Make 90

$$87 + 6 = \frac{1}{4}$$
 $87 + 3 = 93$
 $87 + 3 = 93$

$$89 + 3 =$$

Keep Split

 $89 + 1 + 2 = 92$

Make Ninety Addition Strategy (N)

Name:

Date:

$$89 + 8 =$$
 \downarrow
 $89 + 1 + 7 = 97$

Make 90

$$88+4=$$
Keep Split
$$++=$$
Make 90

$$83 + 9 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad$$

$$\begin{array}{c}
89+6 = \\
\text{Keep Split} \\
\downarrow \qquad \downarrow \qquad \qquad \\
+ \qquad \qquad + \qquad = \\
\hline
\text{Make 90}$$

$$\begin{array}{c}
89 + 9 = \\
\downarrow & \downarrow \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$83 + 8 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$\begin{array}{c}
87 + 8 = \\
& \downarrow \\
+ + = \\
& \downarrow \\
& \downarrow$$

$$87 + 4 =$$
Keep Split
$$+ + =$$
Make 90

Make Ninety Addition Strategy (N) Answers

Name:

Date: ____

$$89 + 8 = \frac{1}{1} + 7 = 97$$
 $89 + 1 + 7 = 97$

$$88 + 4 =$$

Keep Split

 $88 + 2 + 2 = 92$

Make 90

$$83 + 9 =$$

Keep Split

 $4 + 7 + 2 = 92$

Make 90

$$89+7=$$

Keep Split

 $89+1+6=96$

Make 90

$$87 + 7 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$89+6 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$89+1+5=95$$

$$\xrightarrow{\text{Make } 90}$$

$$89 + 9 =$$

Keep Split

 $89 + 1 + 8 = 98$

Make 90

$$83 + 8 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$83 + 7 + 1 = 91$$

$$Make 90$$

$$87 + 8 =$$

Keep Split

 $87 + 3 + 5 = 95$

Make 90

$$87 + 4 =$$

Keep Split

 $4 + 4 = 87 + 3 + 1 = 91$

Make 90

Make Ninety Addition Strategy (0)

Name:

Date:

$$88 + 3 =$$
 \downarrow
 $88 + 2 + 1 = 91$

$$\begin{array}{c}
87 + 5 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$
Reep Split = =

$$85 + 8 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$\begin{array}{c} 86 + 9 = \\ \downarrow \\ \downarrow \\ + \\ \hline \\ Make 90 \end{array}$$

$$85 + 9 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$\begin{array}{ccc}
89 + 4 & = & \\
\text{Keep Split} \\
\downarrow & \downarrow & \downarrow \\
& + & + & = \\
\hline
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& &$$

Make Ninety Addition Strategy (O) Answers

Name:

Date:

$$87 + 5 =
\downarrow
\downarrow
87 + 3 + 2 = 92$$

$$85+6=$$

$$\downarrow \qquad \qquad \downarrow$$

$$85+5+1=91$$

$$Make 90$$

$$86+9=$$

$$\downarrow \qquad \qquad \downarrow$$

$$86+4+5=95$$

$$Make 90$$

$$84 + 7 =$$

Keep Split

 $84 + 6 + 1 = 91$

Make 90

$$88+6=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+4=94$$

$$Make 90$$

$$86+7=$$
 \downarrow
 $86+4+3=93$
 $86+4+3=93$

$$85 + 8 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$85 + 5 + 3 = 93$$

$$Make 90$$

$$85 + 9 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$85 + 5 + 4 = 94$$

$$Make 90$$

$$89 + 4 =$$

Keep Split

 $49 + 1 + 3 = 93$

Make 90

Make Ninety Addition Strategy (P)

Name:

Date:

$$87 + 8 =$$

Keep Split

 $87 + 3 + 5 = 95$

$$\begin{array}{c}
89 + 9 = \\
\text{Keep Split} \\
+ + = \\
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
87 + 5 = \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90
\end{array}$$

$$83 + 9 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$86+9=$$
Keep Split
 $++=$
Make 90

$$\begin{array}{c}
88+5 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
84 + 8 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90$$

$$\begin{array}{c}
88 + 4 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
89 + 7 = \\
\downarrow & \downarrow \\
+ & + \\
\hline
Make 90
\end{array}$$

$$87 + 9 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make 90}}{}$$

Make Ninety Addition Strategy (P) Answers

Name:

Date:

$$87 + 8 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$89+9 = \\
\downarrow \qquad \qquad \downarrow \\
89+1+8 = 98$$

$$89+1+8 = 98$$

$$87 + 5 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$83 + 9 =$$

Keep Split

 $4 + 7 + 2 = 92$

Make 90

$$86+9=$$
 \downarrow
 $86+4+5=95$

Make 90

$$88 + 5 = \frac{1}{100}$$
 $88 + 5 = \frac{1}{100}$
 $88 + 2 + 3 = 93$

$$84 + 8 =$$
 \downarrow
 $84 + 6 + 2 = 92$

Make 90

$$89+7=$$

Keep Split

 $89+1+6=96$

$$87 + 9 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$87 + 3 + 6 = 96$$

$$\xrightarrow{\text{Make } 90}$$

Make Ninety Addition Strategy (Q)

Name:

Date:

$$88 + 6 =$$

Keep Split

 $88 + 2 + 4 = 94$

$$\begin{array}{c}
88+9 = \\
\text{Keep} & \text{Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
89+6 = \\
\text{Keep Split} \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad \qquad = \\
\hline
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
89 + 8 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$\begin{array}{ccc}
84 + 7 = \\
& \downarrow & \downarrow \\
& + & + & = \\
& & \downarrow & \downarrow \\
& & & \downarrow & \downarrow \\
& & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & & & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow \\
& & & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow & \downarrow & \downarrow \\
& & \downarrow & \downarrow & \downarrow \\
& \downarrow & \downarrow$$

$$\begin{array}{c}
89 + 4 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make } 90
\end{array}$$

$$\begin{array}{ccc}
87 + 4 & = & \\
\text{Keep Split} & \downarrow & \downarrow \\
 & \downarrow & \downarrow & \downarrow \\
 & + & + & = \\
\hline
 & & & \\
\hline
 & & & \\
 & & & \\
\hline
 & & & \\
 & & & \\
\hline
 & & \\
 & & & \\
\hline
 & & \\
\hline
 & & &$$

Make Ninety Addition Strategy (Q) Answers

Name:

Date: ____

$$88 + 6 = \frac{1}{100}$$
 $88 + 6 = \frac{1}{100}$
 $88 + 2 + 4 = 94$

$$88+9=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+7=97$$

$$Make 90$$

$$89+6=$$
 \downarrow
 $89+1+5=95$
 $89+1+5=95$

$$89 + 8 =$$

Keep Split

 $89 + 1 + 7 = 97$

Make 90

$$87 + 6 = \frac{1}{4}$$
 $87 + 3 = 93$
 $87 + 3 = 93$

$$84 + 7 =$$

Keep Split

 $4 + 6 + 1 = 91$

Make 90

$$85 + 9 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$85 + 5 + 4 = 94$$

$$Make 90$$

$$89 + 4 =$$

Keep Split

 $4 + 3 = 93$

Make 90

$$89 + 3 =$$

Keep Split

 $89 + 1 + 2 = 92$

Make 90

$$87 + 4 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$87 + 3 + 1 = 91$$

$$\xrightarrow{\text{Make } 90}$$

Make Ninety Addition Strategy (R)

Name:

Date:

$$84 + 9 =$$

Keep Split

 $84 + 6 + 3 = 93$

$$86+8=$$
Keep Split
 $++=$
Make 90

$$\begin{array}{ccc}
87 + 7 = \\
& & \\
\text{Keep} & \text{Split} \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\
& & \\$$

$$83 + 8 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make 90}}{}$$

$$\begin{array}{c}
88 + 3 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
86 + 5 = \\
\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
Make 90$$

$$\begin{array}{c}
88 + 8 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

Make Ninety Addition Strategy (R) Answers

Name:

Date:

$$84 + 9 =$$

Keep Split

 $84 + 6 + 3 = 93$

Make 90

$$87 + 7 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$87 + 3 + 4 = 94$$

$$Make 90$$

$$86+5=$$

Keep Split

 $86+4+1=91$

$$86+6=$$
 \downarrow
 $86+4+2=92$

$$86 + 8 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$86 + 4 + 4 = 94$$

$$Make 90$$

$$83 + 8 =$$

Keep Split

 $4 + 7 + 1 = 91$

Make 90

$$88 + 3 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$88 + 2 + 1 = 91$$

$$Make 90$$

$$88 + 8 =$$
Keep Split
$$\downarrow \qquad \qquad \downarrow$$

$$88 + 2 + 6 = 96$$
Make 90

$$85 + 6 =$$

Keep Split

 $85 + 5 + 1 = 91$

Make Ninety Addition Strategy (S)

Name:

Date:

$$87 + 9 =$$

Keep Split

 $87 + 3 + 6 = 96$

$$\begin{array}{c}
89 + 2 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
88+4 = \\
\text{Keep Split} \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
\text{Make 90}
\end{array}$$

$$85 + 9 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$\begin{array}{c}
89 + 9 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

Make Ninety Addition Strategy (S) Answers

Name:

Date: ____

$$87 + 9 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$88+6=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+4=94$$

$$Make 90$$

$$85 + 8 =$$
 $\downarrow \qquad \qquad \downarrow$
 $85 + 5 + 3 = 93$
Make 90

$$89 + 2 =$$

Keep Split

 $89 + 1 + 1 = 91$

Make 90

$$85 + 6 = \\
\downarrow \qquad \qquad \downarrow \\
85 + 5 + 1 = 91$$

$$\underline{85 + 5}_{\text{Make } 90} + 1 = 91$$

$$88 + 4 = \frac{1}{100}$$
 $88 + 2 + 2 = 92$
 $88 + 2 + 2 = 92$

$$86 + 5 = \frac{1}{1}$$
 $86 + 4 + 1 = 91$
 $86 + 4 + 1 = 91$

$$85 + 9 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$85 + 5 + 4 = 94$$

$$Make 90$$

$$88 + 5 =$$

Keep Split

 $88 + 2 + 3 = 93$

Make 90

$$89+9 =$$
Keep Split
$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$89+1+8=98$$
Make 90

Make Ninety Addition Strategy (T)

Name:

Date:

$$84 + 8 =$$

Keep Split

 $84 + 6 + 2 = 92$

$$\begin{array}{c}
89 + 4 = \\
\text{Keep Split} \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad \qquad \qquad \qquad \qquad \qquad = \\
\hline
\text{Make 90}$$

$$\begin{array}{c}
87 + 4 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
87 + 6 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}
\end{array}$$

$$\begin{array}{c}
88 + 9 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$

$$\begin{array}{c}
89+6 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
87 + 5 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$
Split

$$\begin{array}{c}
86+9 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make } 90
\end{array}$$

Make Ninety Addition Strategy (T) Answers

Name:

Date:

$$84 + 8 =$$

Keep Split

 $84 + 6 + 2 = 92$

Make 90

$$88 + 8 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$88 + 2 + 6 = 96$$

$$Make 90$$

$$89 + 4 = \frac{1}{1} + 3 = 93$$

$$87 + 4 =$$

Keep Split

 $\frac{1}{4}$
 $\frac{1}{4}$

$$88 + 7 =$$

Keep Split

 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 = 0.5$
 $0.5 =$

$$87 + 6 = \frac{1}{100}$$
 $100 + 6 = \frac{1}{100}$
 $100 + 6 = \frac{1}{100}$

$$88 + 9 =$$
 \downarrow
 $88 + 2 + 7 = 97$

Make 90

$$87 + 5 =$$

Keep Split

 $87 + 3 + 2 = 92$

Make 90

$$86+9=$$

$$\downarrow \qquad \qquad \downarrow$$

$$86+4+5=95$$

$$\frac{86+4}{\text{Make }90}+5=95$$

Make Ninety Addition Strategy (U)

Name:

Date:

$$88 + 3 =$$
 \downarrow
 $88 + 2 + 1 = 91$

$$\begin{array}{c}
89 + 7 = \\
\text{Keep Split} \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad \qquad \qquad \qquad \qquad \qquad = \\
\hline
\text{Make } 90$$

$$87 + 7 =$$
Keep Split
$$+ + =$$
Make 90

$$\begin{array}{c}
86 + 7 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}
\end{array}$$

$$83 + 9 =$$
Keep Split
$$+ + =$$
Make 90

$$\begin{array}{c}
84 + 9 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$
Split

$$\begin{array}{c}
89 + 3 = \\
\text{Keep Split} \\
\downarrow \qquad \downarrow \qquad \qquad + \\
\underline{\qquad \qquad \qquad + \qquad } = \\
\underline{\qquad \qquad \qquad \qquad \qquad } \\
\underline{\qquad \qquad \qquad \qquad \qquad } \\
\underline{\qquad \qquad \qquad \qquad \qquad } \\
\underline{\qquad \qquad \qquad \qquad \qquad \qquad } \\
\underline{\qquad \qquad \qquad \qquad } \\
\underline{\qquad \qquad \qquad \qquad } \\
\underline{\qquad \qquad \qquad \qquad } \\
\underline{\qquad \qquad \qquad \qquad } \\
\underline{\qquad \qquad \qquad } \\
\underline$$

Make Ninety Addition Strategy (U) Answers

Name:

Date:

$$84 + 7 =$$

Keep Split

 $84 + 6 + 1 = 91$

Make 90

$$89+7=$$

Keep Split

 $89+1+6=96$

Make 90

$$85 + 7 =$$

Keep Split

 $25 + 5 + 2 = 92$

Make 90

$$87 + 7 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$86 + 7 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow$$

$$86 + 4 + 3 = 93$$

$$\xrightarrow{\text{Make } 90}$$

$$89 + 5 =$$

Keep Split

 $89 + 1 + 4 = 94$

Make 90

$$83 + 9 =$$

Keep Split

 $4 + 7 + 2 = 92$

Make 90

$$84 + 9 =$$

Keep Split

 $84 + 6 + 3 = 93$

Make 90

$$89 + 3 =$$

Keep Split

 $1 + 2 = 92$

Make 90

Make Ninety Addition Strategy (V)

Name:

Date:

$$88 + 6 =$$
 \downarrow
 $88 + 2 + 4 = 94$

$$\begin{array}{c}
85 + 6 = \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + = \\
\hline
Make 90
\end{array}$$

$$84 + 9 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$\begin{array}{c}
87 + 8 = \\
& \downarrow \\
& \downarrow \\
& + \\
& + \\
& + \\
& = \\
\end{array}$$
Make 90

$$\begin{array}{c}
88 + 3 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
86+6 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
88 + 7 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

Make Ninety Addition Strategy (V) Answers

Name:

Date:

$$88 + 6 = \frac{1}{100}$$
 $88 + 6 = \frac{1}{100}$
 $88 + 2 + 4 = 94$

$$85 + 6 = \frac{1}{1}$$
 $85 + 5 + 1 = 91$
 $85 + 5 + 1 = 91$

$$89 + 3 =$$

Keep Split

 $4 + 2 = 92$

Make 90

$$85 + 7 =$$

Keep Split

 $85 + 5 + 2 = 92$

Make 90

$$86+6=$$
 \downarrow
 $86+4+2=92$

$$89 + 8 = \frac{1}{1} + 7 = 97$$
 $89 + 1 + 7 = 97$

$$84 + 9 =$$

Keep Split

 $4 + 6 + 3 = 93$

Make 90

$$87 + 8 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$87 + 3 + 5 = 95$$

$$Make 90$$

$$88+3=$$

$$\downarrow \qquad \qquad \downarrow$$

$$88+2+1=91$$

$$Make 90$$

$$88 + 7 =$$

Keep Split

 $\frac{88 + 2}{88 + 2} + 5 = 95$

Make Ninety Addition Strategy (W)

Name:

Date:

$$86+9=$$

Keep Split

 $86+4+5=95$

$$\begin{array}{c}
87 + 5 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
89 + 2 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

$$\begin{array}{c}
88+4 = \\
\text{Keep Split} \\
\downarrow \qquad \qquad \downarrow \\
+ \qquad \qquad + \qquad = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
87 + 9 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$

$$82 + 9 = \\
\text{Keep Split} \\
+ + = \\
\frac{\text{Make } 90}{}$$

$$\begin{array}{c}
86 + 8 = \\
& \downarrow \\
+ + = \\
& \downarrow \\
& \downarrow$$

$$\begin{array}{c}
84 + 7 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make } 90
\end{array}$$

Make Ninety Addition Strategy (W) Answers

Name:

Date:

$$86+9=$$

$$\downarrow \qquad \qquad \downarrow$$

$$86+4+5=95$$

$$Make 90$$

$$87 + 5 =$$

Keep Split

 $87 + 3 + 2 = 92$

Make 90

$$85 + 9 =$$
 \downarrow
 $85 + 5 + 4 = 94$

Make 90

$$89 + 2 =$$

Keep Split

 $99 + 1 + 1 = 91$

Make 90

$$86+7=$$

$$\downarrow \qquad \qquad \downarrow$$

$$86+4+3=93$$

$$\frac{86+4}{\text{Make }90}+3=93$$

$$88 + 4 = \frac{1}{100}$$
 $88 + 2 + 2 = 92$
 $88 + 2 + 2 = 92$

$$87 + 9 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$82 + 9 =$$

Keep Split

 $2 + 8 + 1 = 91$

Make 90

$$86 + 8 = \frac{1}{100}$$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 100$
 $100 + 1$

$$84 + 7 =$$

Keep Split

 $4 + 6 + 1 = 91$

Make 90

Make Ninety Addition Strategy (X)

Name:

Date:

$$87 + 7 =$$

Keep Split

 $47 + 3 + 4 = 94$

Mala 90

$$\begin{array}{c}
89 + 4 = \\
\text{Keep Split} \\
\downarrow \\
+ \\
\text{Make 90}
\end{array}$$

$$88 + 8 =$$

Keep Split

 $+$ $+$ $=$

Make 90

$$83 + 9 =$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad \qquad \downarrow \qquad$$

$$\begin{array}{c}
88 + 5 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

$$\begin{array}{c}
84 + 8 = \\
& \downarrow \\
& \downarrow \\
& + \\
& \downarrow \\
& Make 90
\end{array}$$
Split

$$\begin{array}{c}
86+5 = \\
\text{Keep Split} \\
+ + = \\
\hline
\text{Make 90}
\end{array}$$

Make Ninety Addition Strategy (X) Answers

Name:

Date:

$$87 + 7 =$$

$$\downarrow \qquad \qquad \downarrow$$

$$87 + 3 + 4 = 94$$

$$Make 90$$

$$89+7=$$

Keep Split

 $89+1+6=96$

Make 90

$$85 + 8 =$$

Keep Split

 $85 + 5 + 3 = 93$

Make 90

$$89+4=$$
 \downarrow
 $89+1+3=93$
 $89+1+3=93$

$$88 + 8 = \frac{1}{1000}$$
 $88 + 2 + 6 = 96$
 $88 + 2 + 6 = 96$

$$87 + 4 = \frac{1}{4}$$
 $4 + 4 = \frac{1}{4}$
 $4 + 4 = \frac$

$$83 + 9 =$$

Keep Split

 $4 + 7 + 2 = 92$

Make 90

$$88 + 5 =$$

Keep Split

 $88 + 2 + 3 = 93$

Make 90

$$84 + 8 =$$

Keep Split

 $84 + 6 + 2 = 92$

Make 90

$$86+5=$$

Keep Split

 $86+4+1=91$

Make 90