

Adding Integers Assignments

Name: _____

1. Add the following without using a calculator.

a) $\begin{array}{r} 97 \\ + 28 \\ \hline \end{array}$	b) $\begin{array}{r} 85 \\ + 49 \\ \hline \end{array}$	c) $\begin{array}{r} 85 \\ + 73 \\ \hline \end{array}$
d) $\begin{array}{r} 77 \\ 36 \\ 98 \\ + 94 \\ \hline \end{array}$	e) $\begin{array}{r} 68 \\ 77 \\ 86 \\ + 95 \\ \hline \end{array}$	f) $\begin{array}{r} 286 \\ 819 \\ + 739 \\ \hline \end{array}$

2. Given each addition statement, find the value of "A"

a) $\begin{array}{r} 2A6 \\ + 6A5 \\ \hline 891 \end{array}$	b) $\begin{array}{r} BAA \\ + ABA \\ \hline 1554 \end{array}$	c) $\begin{array}{r} 2A \\ 3A \\ 4A \\ + 5A \\ \hline 172 \end{array}$
d) $\begin{array}{r} A68 \\ 5A9 \\ + 88A \\ \hline 1901 \end{array}$	e) $\begin{array}{r} ABA \\ + BAA \\ \hline 1106 \end{array}$	f) $\begin{array}{r} ABC \\ + CBA \\ \hline 1575 \end{array}$

3. In the addition shown, a digit, either the same or different can be placed in each of the two boxes. What is the sum of the two missing digits?

$$\begin{array}{r}
 863 \\
 \square 91 \\
 + 7\square 8 \\
 \hline
 2182
 \end{array}$$

4. If four different numbers are chosen from 5, 6, 7, 8, and 9 to replace the boxes below, what is the smallest possible sum of the two 2-digit numbers?

$$\begin{array}{r}
 \square \square \\
 + \square \square \\
 \hline
 \end{array}$$

5. In the square shown, the numbers in each row, column, and diagonal multiply to give the same result. What is the sum of the two missing numbers?

12	1	18
9	6	4
		3

6. In the addition shown, P, Q, and R each represent a single digit, and the sum is 2009. What is the value of P+Q+R equal to?

$$\begin{array}{r}
 PQP \\
 + RQQQ \\
 \hline
 2009
 \end{array}$$

7. A different digit is inserted into each of the two boxes to make the equation true. What is the sum of the digits in the two boxes?

$$15.2 + 1.52 + 0.15\Box + \Box.128 = 20$$

8. In the addition of two 2-digit numbers, each blank space, including those in the answer, is to be filled with one of the digits 0, 1, 2, 3, 4, 5, 6, each used exactly once. What is the units digit of the sum?

$$\begin{array}{r} \Box \Box \\ + \Box \Box \\ \hline \Box \Box ? \end{array}$$