

Activity (6 | The Primary Stage of Grades (4-5)

2023-2024

Name: *Key*
Date: / /

Subject: Math
Class: Grade 4 CP (All Sections)

Objective/s: Add and subtract whole numbers up to 4 digits using mental strategies for near multiples only. (Optional)

Example:

A) The sum of 2997 and 1358

$$\begin{array}{c}
 2997 + 1358 \\
 \begin{array}{c} +3 \quad \quad \quad -3 \\ \curvearrowright \quad \quad \quad \curvearrowleft \end{array} \\
 \boxed{3000 + 1355 = 4355}
 \end{array}$$

1) Find the following:

a) $2015 + 3998 =$ $\overset{-2}{2013} + \overset{+2}{4000} =$ $\boxed{6013}$

$$\begin{array}{r}
 2015 \\
 +3998 \\
 \hline
 6013
 \end{array}$$

b) $1999 + 5163 =$ $\overset{+1}{2000} + \overset{-1}{5162} =$ $\boxed{7162}$

$$\begin{array}{r}
 1999 \\
 +5163 \\
 \hline
 7162
 \end{array}$$

c) $6387 + 3996 =$ $\overset{-4}{6383} + \overset{+4}{4000} =$ $\boxed{10,383}$

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \\
 6387 \\
 +3996 \\
 \hline
 10,383
 \end{array}$$

d) $3098 + 4999 =$ $\overset{-1}{3097} + \overset{+1}{5000} =$ $\boxed{8,097}$

$$\begin{array}{r}
 3098 \\
 +4999 \\
 \hline
 8,097
 \end{array}$$

e) $5071 + 399 =$ $\overset{-1}{5070} + \overset{+1}{400} =$ $\boxed{5470}$

$$\begin{array}{r}
 5071 \\
 +399 \\
 \hline
 5470
 \end{array}$$

f) $6874 + 2996 =$ $\overset{-4}{6870} + \overset{+4}{3000} =$ $\boxed{9870}$

$$\begin{array}{r}
 6874 \\
 +2996 \\
 \hline
 9870
 \end{array}$$

$$\begin{array}{r}
 +5071 \\
 399 \\
 \hline
 5470
 \end{array}$$



B) To find the difference between near multiples:

Example:

1) The difference between 6958 and 3399

$$\begin{array}{c}
 6958 - 3399 \\
 \begin{array}{c} \curvearrowleft +1 \\ \curvearrowright +1 \end{array} \\
 \boxed{6959 - 4000 = 2959}
 \end{array}$$

$$\begin{array}{r}
 7054 \\
 - 2998 \\
 \hline
 4056
 \end{array}$$

a) $7054 - 2998 =$ 4056

$\overset{+2}{7056} - \overset{+2}{3000}$

b) $9872 - 3997 =$ 5875

$\overset{+3}{9875} - \overset{+3}{4000}$

$$\begin{array}{r}
 9872 \\
 - 3997 \\
 \hline
 5875
 \end{array}$$

$$\begin{array}{r}
 6782 \\
 - 2493 \\
 \hline
 4289
 \end{array}$$

c) $6782 - 2493 =$ 4289

$\overset{+7}{6789} - \overset{+7}{2500}$

d) $5681 - 3996 =$ 1685

$\overset{+4}{5685} - \overset{+4}{4000}$

$$\begin{array}{r}
 5681 \\
 - 3996 \\
 \hline
 1685
 \end{array}$$

$$\begin{array}{r}
 4965 \\
 - 1996 \\
 \hline
 2969
 \end{array}$$

e) $4965 - 1996 =$ 2969

$\overset{+4}{4969} - \overset{+4}{2000}$

f) $8091 - 1995 =$ 6096

$\overset{+5}{8096} - \overset{+5}{2000}$

$$\begin{array}{r}
 8091 \\
 - 1995 \\
 \hline
 6096
 \end{array}$$

C) Find the answer using regrouping (showing your work)

a) $23 + 75 + 17 + 45 =$ 160

$$\begin{array}{r}
 23 + 17 = 40 \\
 75 + 45 = 120^+ \\
 \hline
 160
 \end{array}$$

b) $38 + 16 + 25 + 27 =$ 106

$$\begin{array}{r}
 \textcircled{2} \\
 38 \\
 + 25 \\
 + 27 \\
 \hline
 90
 \end{array}$$

$90 + 16 = 106$