Worksheet (3) | The Primary Stage of Grades (4-5)
2023-2024

Name: ....Key...............................

Date: /   /

Subject: Math

Class: Grade 4 CP (All Sections)

Objectives:
- Calculate differences between near multiples of 1000.
- Find the total of more than three two- or three-digit numbers using a written method.
- Add or subtract any pair of three- and/or four-digit numbers,
- Check with a different order when adding several numbers or by using the inverse when adding or subtracting a pair of numbers.
- Find the total of numbers with four or more digits using a written method.
- Choose an appropriate strategy for a calculation and explain how they worked out the answer.
- Deduce new information from existing information to solve Problems.
  Vocabulary: Add, subtract, sum, total, difference.

1) Fill in the missing numbers to make the following statements true. hint:

use inverse operation

a) $\boxed{491}$ + 509 = $\underset{\text{total}}{1000}$

$$\begin{array}{r} \cancel{1}000 \\ -\ 509 \\ \hline \end{array}$$

b) $327 + \boxed{473} = 800$

$$\begin{array}{r} \overset{7}{\cancel{8}}\overset{9}{0}\overset{10}{0} \\ -\ 3\ 2\ 7 \\ \hline 4\ 7\ 3 \end{array}$$
Total   To find the total we add

c) $267 + \boxed{233} = \underset{\text{total}}{500}$

$$\begin{array}{r} 500 \\ -\ 267 \\ \hline \end{array}$$

d) $\boxed{902} - 304 = 598$

Total

$$\begin{array}{r} \overset{1}{5}\overset{1}{9}8 \\ +\ 3\ 0\ 4 \\ \hline 9\ 0\ 2 \end{array}$$

e) $\underset{\text{Total}}{754} - \boxed{414} = 330$

$$\begin{array}{r} 7\ 5\ 4 \\ -\ 3\ 3\ 0 \\ \hline 4\ 1\ 4 \end{array}$$

f) $\underset{\text{Total}}{900} - \boxed{266} = 634$

$$\begin{array}{r} \overset{8}{\cancel{9}}\overset{9}{0}\overset{10}{0} \\ -\ 6\ 3\ 4 \\ \hline 2\ 6\ 6 \end{array}$$

g) $398 + 201 + \boxed{401} = 1000$

$599 + \_\_\_\_ = 1000$

$$\begin{array}{r} \overset{\text{a}}{\cancel{\times}}\cancel{9}\cancel{9}\cancel{9}\cancel{0} \\ - 599 \\ \hline 401 \end{array}$$

h) $\boxed{10\,12}$ is 100 more than $\boxed{912}$ $912 + 100 = 1012$

10 is 1 more than 9

i) $\boxed{50}14$ is 100 less than $\boxed{5114}$ $5014 + 100 = 5114$

OR $5114 - 100 = 5014$

$$\begin{array}{r} \overset{8}{\cancel{9}}\overset{12}{\cancel{3}}11 \\ 1033 \\ \hline 898 \end{array}$$

j) $15 + \boxed{0898} + 1018 = 1931$ $1018 + 15 = 1033$

$1931 - 1033 = 0898$

k) 7526 $\boxed{?}$ is 1000 less than 8526 under Line thousand digit

7 is one less than 8

l) 6879 is 100 more than ⑦ $\boxed{6779}$ under Line hundred digit

6 is 1 more than 7

j)
$$\begin{array}{r} \overset{4}{}\overset{①}{} \\ 2\,\,③\,\,\boxed{6} \\ +\,\,4\,\,\boxed{2}\,\,9 \\ \hline \boxed{6}\,\,5\,\,5 \end{array}$$

k)
$$\begin{array}{r} \overset{7}{\boxed{9}}\,\overset{\cancel{8}}{}\,\overset{13}{} \\ -\,3\,\boxed{5}\,9 \\ \hline 6\,\,2\,\,4 \end{array}$$

2) Solve: (you can use near multiple method or any method you prefer)

1456
2998
1454

a) 1456 + 2998 = $\boxed{4454}$
  -2 $+2$
  1454 + 3000

b) 9654 − 1997= $\boxed{7657}$
  $+3$ $+3$
  9657 − 2000

9654
− 1997

c) 54 + 27 + 76 + 12 = $\boxed{169}$

① 76   130
  + 54   + 27
  130   12
             169

d) 55 + 37 + 12 + 58 = $\boxed{162}$

② 55
  + 37 20
    58   150
           + 12
  150   162

3) Complete the following number sequences stating the rule: 1st step find the rule

\# gets larger means ⊕

2nd step find the difference

−86
 64
 22

a) 20 / 42 / 64 / 86 / 108 / $\boxed{130}$ / $\boxed{152}$ / $\boxed{174}$ Rule: __+ 22__   choose any consecutive 2 #'s

  +15 +15
b) 109 / 124 / $\boxed{139}$ / 154 / 169 / $\boxed{184}$ / $\boxed{199}$ Rule: __+15__

  −12 −12
c) 120 / 108 / $\boxed{96}$ / $\boxed{84}$ / 72 / 60 / $\boxed{48}$ / $\boxed{36}$ Rule: __−12__

  −45
d) 975 / 930 / 885 / 840 / $\boxed{795}$ / $\boxed{750}$ / $\boxed{705}$ Rule: __− 45__

.765
725
----
040 rule

gets smaller
-40 →

e) 805/ 765/ 725/ [685] / 645 / [605] /565/ [525] / [ ] (485)   Rule: __-40__

-962
857
----
105 rule

+105 →

f) 437/ [542] / 647/ [752] /857/ 962/ [1067] /1172/1277   Rule: __+105__

5 9
6̸0̸40
-5790
----
250 rule

+250 →

g) 5,540/ 5,790 /6,040/ [6290] / [6540] /6,790/ [7040]   Rule: __+250__

h) 9,101 / 8,801/ [8501] / [8201] /7,901 / [7601] /7,301   Rule: __-300__

4) Solve the following questions **showing your work:**

Total

a. Mr. Flood had 10,938 pencils at the beginning of the school year. In term one, 2,348 pencils were used and in term two, 1,827 pencils were used. How many pencils are left remaining to use next year?

10,938
used / used \ left
1,827 ↙ and ↘ ?
       +   2348 + ? = 10,938

1
1,827①
+ 2,348
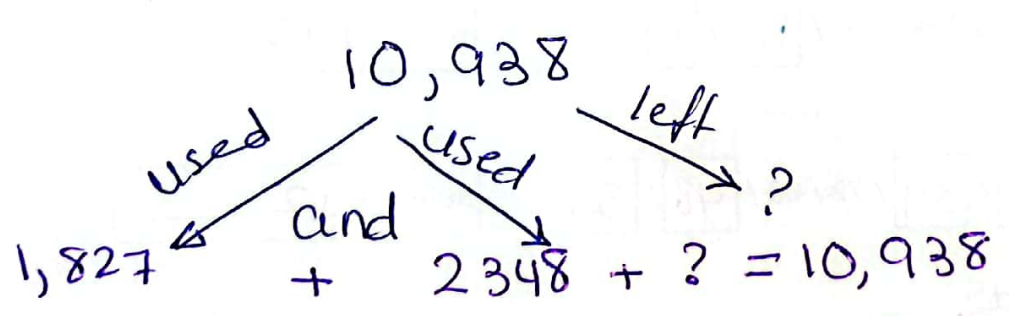
4,175 (pencils he used)

10̸9̸3̸8̸
- 4175

6763 pencils are left.

very important
Not just the answer

Total

b. Kieran needs to run 22,500 meters. In the first ten minutes he runs 6,639 meters and in the second ten minutes he runs 795 meters. How much further does he still need to run?

$$
\begin{array}{r}
6{,}6\overset{1}{3}\overset{1}{9} \\
+\ \ \ \ 795 \\
\hline
7{,}434
\end{array}
$$
m he ran in Total.

$$
\begin{array}{r}
\overset{12}{2}2{,}\overset{4}{5}00 \\
-\ \ \ 7{,}434 \\
\hline
15{,}066
\end{array}
$$
m he still Needs to run

c. Jane and Sara are trying to find out how many star jumps they can do in two hours. In the first hour, Jane completed 1,545 star jumps and in the second hour, she completed 795 star jumps. Sara completed 1,864 jumps in two hours. What is the difference between the amount of star jumps between Jane and Sara?

(–)

Jan
$$
\begin{array}{r}
1{,}545 \\
+\ \ \ 795 \\
\hline
2340
\end{array}
$$
Star Jams
Jan Completed

Sara
1,864

Difference between Jane and Sara

$$
\begin{array}{r}
\overset{1}{2}\overset{12}{3}\overset{13}{40} \\
-\ 1864 \\
\hline
476
\end{array}
$$
star jumps the difference

d. Class A has a race. Kat's time is 1,474 seconds. Charlie finishes 165 seconds before kat. Maria finishes 2,287 after Charlie. Ban finishes 769 seconds after Maria. What is Ban's time in seconds?

sec.

Kat
1,474 sec

charlie.
165 sec. before Kat.

$$\begin{array}{r} 14\overset{6}{\cancel{7}}14 \\ -165 \\ \hline 1,309 \text{ sec.} \\ \text{charlie} \end{array}$$

Maria
2,287 after charli

$$\begin{array}{r} \overset{①}{2287} \\ +1309 \\ \hline 3,596 \text{ sec.} \\ \text{Maria} \end{array}$$

Ban
769 sec. after Maria

$$769 + 3,596 =$$
seconds
4,365 ↑ Ban's
Time

MATH IS FUN
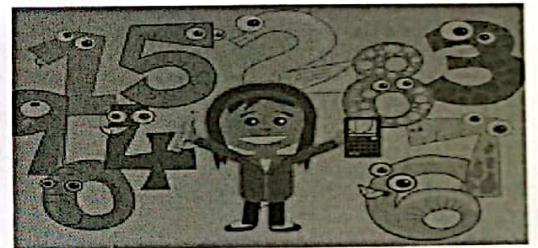
Good Luck to all

I have learnt to	Yes 😄	Not sure	No ❓
Add and subtract numbers up to 4 digits.			
Choose an appropriate strategy for a calculation and explain how I worked out the answer.			
Deduce new information from existing information to solve Problems.			