

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

Name: ..... *Key* .....  
Date: *1 / 10*

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)  $\boxed{491} + 509 = \underline{1000}$  *total*

$$\begin{array}{r} - 1000 \\ 509 \\ \hline \end{array}$$

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

$$\begin{array}{r} 7 \\ - 800 \\ 327 \\ \hline 473 \end{array}$$

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

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

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

*Total To find the total we add*

$$\begin{array}{r} 11 \\ 598 \\ + 304 \\ \hline 902 \end{array}$$

e)  $754 - \boxed{424} = 330$  *Total*

$$\begin{array}{r} 754 \\ - 330 \\ \hline 424 \end{array}$$

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

$$\begin{array}{r} 800 \\ - 900 \\ 634 \\ \hline 266 \end{array}$$

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

$599 + \underline{\hspace{2cm}} = 1000$

$$\begin{array}{r} 0 \\ - 900 \\ 599 \\ \hline 401 \end{array}$$

Use inverse operation

h)  $\boxed{1012}$  is 100 more than  $\boxed{912}$

$912 + 100 = 1012$

10 is 1 more than 9

i)  $\boxed{5014}$  is 100 less than  $\boxed{5114}$

$5014 + 100 = 5114$

OR  $5114 - 100 = 5014$

$$\begin{array}{r} 8.12 \\ 1931 \\ - 1033 \\ \hline 898 \end{array}$$

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

$1018 + 15 = 1033$

$1931 - 1033 = 0898$

k)  $\boxed{7}$  is 1000 less than  $\boxed{8526}$   
7 is one less than 8

under Line thousand digit

l)  $\boxed{6879}$  is 100 more than  $\boxed{6779}$

under Line hundred digit

j) 
$$\begin{array}{r} 2 \quad \textcircled{1} \quad \boxed{6} \\ + 4 \quad \boxed{1} \quad 9 \\ \hline \boxed{6} \quad 5 \quad 5 \end{array}$$

k) 
$$\begin{array}{r} \boxed{9} \quad \textcircled{7} \quad | \quad 3 \\ - 3 \quad \boxed{5} \quad 9 \\ \hline 6 \quad 2 \quad 4 \end{array}$$

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

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 1456 \\ + 2998 \\ \hline 4454 \end{array}$$

a)  $1456 + 2998 =$  4454

$$\begin{array}{r} 1456 \\ -2 \quad +2 \\ \hline 1454 + 3000 \end{array}$$

b)  $9654 - 1997 =$  7657

$$\begin{array}{r} 9654 \\ +3 \quad +3 \\ \hline 9657 - 2000 \end{array}$$

$$\begin{array}{r} 9654 \\ - 1997 \\ \hline \end{array}$$

c)  $54 + 27 + 76 + 12 =$  169

$$\begin{array}{r} \textcircled{1} \\ 76 \\ + 54 \\ \hline 130 \\ + 27 \\ \hline 169 \end{array}$$

d)  $55 + 37 + 12 + 58 =$  162

$$\begin{array}{r} \textcircled{2} \\ 55 \\ + 37 \\ \hline 92 \\ + 58 \\ \hline 150 \\ + 12 \\ \hline 162 \end{array}$$

3) Complete the following number sequences stating the rule:

# gets larger means  $\oplus$

1<sup>st</sup> step find the rule  
2<sup>nd</sup> step find the difference

a)  $20 / 42 / 64 / 86 / 108 /$  130 / 152 / 174

Rule: + 22 choose any consecutive 2 #'s

b)  $109 / 124 /$  139 /  $154 / 169 /$  184 / 199

Rule: + 15

c)  $120 / 108 /$  96 / 84 /  $72 / 60 /$  48 / 36

Rule: - 12

d)  $975 / 930 / 885 / 840 /$  795 / 750 / 705

Rule: - 45



$$\begin{array}{r} 765 \\ 725 \\ \hline 040 \end{array}$$

040 rule

gets smaller  
-40

e) 805 / 765 / 725 /  $\boxed{685}$  / 645 /  $\boxed{605}$  / 565 /  $\boxed{525}$  /  $\boxed{485}$  Rule: -40

$$\begin{array}{r} 962 \\ 857 \\ \hline 105 \end{array}$$

105 rule

f) 437 /  $\boxed{542}$  / 647 /  $\boxed{752}$  / 857 / 962 /  $\boxed{1067}$  / 1172 / 1277 Rule: +105

$$\begin{array}{r} 9 \\ 6040 \\ 5796 \\ \hline 250 \end{array}$$

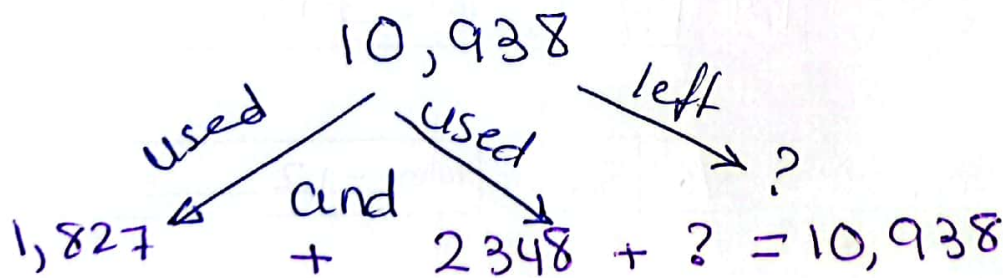
rule

g) 5,540 / 5,790 / 6,040 /  $\boxed{6290}$  /  $\boxed{6540}$  / 6,790 /  $\boxed{7040}$  Rule: +250

h) 9,101 / 8,801 /  $\boxed{8501}$  /  $\boxed{8201}$  / 7,901 /  $\boxed{7601}$  / 7,301 Rule: -300

4) Solve the following questions showing your work:

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



$$\begin{array}{r} 1,827 \\ + 2,348 \\ \hline 4,175 \end{array}$$

4,175 pencils he used  
very important  
not just the answer

$$\begin{array}{r} 10,938 \\ - 4,175 \\ \hline 6,763 \end{array}$$

6,763 pencils are left.

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?

$$\begin{array}{r}
 \textcircled{1} \textcircled{0} \textcircled{0} \\
 6,639 \\
 + 795 \\
 \hline
 7,434 \text{ m he ran in} \\
 \text{Total.}
 \end{array}$$

$$\begin{array}{r}
 \textcircled{1} \textcircled{2} \textcircled{4} \\
 22,500 \\
 - 7,434 \\
 \hline
 15,066 \text{ m he} \\
 \text{still needs to run}
 \end{array}$$

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? (-)

$$\begin{array}{r}
 \text{Jan} \\
 1,545 \\
 + 795 \\
 \hline
 2,340 \\
 \text{Star Jumps} \\
 \text{Jan Completed}
 \end{array}$$

$$\begin{array}{r}
 \text{Sara} \\
 1,864
 \end{array}$$

$$\begin{array}{r}
 \text{Difference between Jane} \\
 \text{and Sara} \\
 \textcircled{1} \textcircled{2} \textcircled{1} \textcircled{3} \\
 2,340 \\
 - 1,864 \\
 \hline
 476 \text{ star} \\
 \text{jumps the} \\
 \text{difference}
 \end{array}$$

- 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?

Kat  
1,474 sec

charlie  
165 sec. before  
Kat.

$$\begin{array}{r} 1474 \\ - 165 \\ \hline 1309 \end{array}$$

1,309 sec.  
charlie

Maria  
2,287 after  
charli

$$\begin{array}{r} 2287 \\ + 1309 \\ \hline 3596 \end{array}$$

3,596 sec.  
Maria

Ban  
769 sec. after Maria




$$769 + 3,596 = 4,365$$

seconds  
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.			