PERIMETER SCHOOL
A Covenant Christian Community

## Rising Second Grade Summer Math Assignment

Knowing that students can lose some of their math skills and concepts over the summer, we have a math portion of our Perimeter School Summer Assignments, which students will be expected to complete and turn in when they return to school in the fall.

1. Students should complete the attached printed math sheets. These will also be available on the school website along with other grade level information and other summer assignments.
2. Parents, please review the completed work with your child. Answer keys are provided. (You may complete this process as many times as you like.)
3. Students should submit all completed work stapled to this sheet (with the student's name and a parent's signature) on the first day of school - Monday, August 14.

## ASSIGNED MATH:

- Practice Facts to 20
- Use Mental Math to Find 10 Less or 10 More
- Add or Subtract Tens
- Comparing Numbers - I Spy Symbols
- Word Problems - Favorite Books
- Develop Fluency in Subtraction
- Choose a Strategy to Subtract
- Word Problems - Name That Sign
- Word Problems -How Many Now?
- Fill It In Counting Chart
- Adding With Some Regrouping


## OPTIONAL MATH ACTIVITIES:

- Counting: play board games, dominoes, and dice games.
- Addition and Subtraction Flash Cards: buy or print a set with sums to 20.
- Number Equation: use objects and index cards marked,,$+-=,<,>$ to build/write equations.
- Construct Graphs: use a tally chart to collect data and make a bar graph to record the results.
- Measure Up: order objects by relative length, compare weight of objects, tell time.


## Student's Name

$\qquad$
Parent's Signature

## Practice Facts to 20

Add or subtract to solve.

$$
\begin{array}{ll}
\text { I } 6+8= & 2 \_=9-4 \\
3-\quad=4+4 & 5 \quad 13-4= \\
4 \quad 6 \quad=15-9
\end{array}
$$

$\begin{array}{r}7 \\ +9 \\ \hline\end{array}$
$8 \quad 10$
$9 \quad 9$
10
12

- 8
$11 \quad 13$
128
$-13$
$\begin{array}{r}+9 \\ \hline\end{array}$


15 Tracy picks up 7 cans. Mario picks up 6 cans. How many cans do Tracy and Mario pick up in all?
$\qquad$ cans

16 There are 16 cars and 8 trucks in the parking lot. How many more cars than trucks are in the parking lot?
$\qquad$ more cars

# Use Mental Math to Find 10 Less and IO More 

Write the numbers to complete each sentence.

I Jung colors 66 pictures. Amy colors 10 more than Jung. Keri colors 10 more pictures than Amy. How many pictures do Amy and Keri each color?

Amy colors $\qquad$ pictures.

Keri colors $\qquad$ pictures.

2 Eric packs 43 boxes. Juan packs 10 fewer boxes than Eric. Ben packs 10 more boxes than Eric. How many boxes do Ben and Juan each pack?

Ben packs $\qquad$ boxes.

Juan packs $\qquad$ boxes.

Write the numbers that are 10 less and 10 more.
$3 \quad 72$ $\qquad$
4 $\qquad$ 40
$\qquad$
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5 $\qquad$ 63 $\qquad$ 6 $\qquad$ 18

7 90 $\qquad$ 8 8 _ 27

10 $\qquad$ 89
9 - 55 $\qquad$
$\qquad$

## Add or Subtract Tens

To find $80-20$, follow these steps.
Start at 80 .
Subtract 2 tens.
$80-20=$


| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |

To subtract IO, move up one row in the chart.

Use the hundred chart to add or subtract.

| I $60+30=$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2. $50-30=$ | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|  | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 3 $40+20=$ | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|  | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 4 $70-60=$ | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|  | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| $520+60=$ | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|  | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 6 $90-50=$ | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

$730+40=$
$880-50=$

## I Spy Symbols

What numbers do you see through the glasses?
Compare the numbers. Write $>,<$ or $=$.


3

os


4

$\qquad$


$$
6
$$

$\qquad$

6


## Favorite Books

Write an equation to solve.
Circle the correct answer.
Cara has many books about bugs, birds, and animals.
I She gives away 7 bug books and has 4 left. How many bug books did she have to start?


2 Cara gets 5 new bird books. Now she has 17 bird books. How many bird books did she have to start?


3 She gives 6 dog books to the library and has 3 left. How many dog books did she have to start?



4 Cara buys 7 new cat books. Now she has 13 cat books. How many cat books did she have to start?

## Develop Fluency in Subtraction

Write a subtraction equation. Solve.

I There are 7 cars at a car wash. 4 cars are washed. How many cars are not washed?
$\qquad$ - $\qquad$ $=$
_ cars

2 Jayden has 9 pieces of paper. He uses 5 pieces. How many pieces of paper does he have now?
$\qquad$
___ pieces of paper

Subtract.
3. $8-4=$ $\qquad$ 4. $9-0=$ $\qquad$
5 $10-8=$ $\qquad$

6 $6-3=$ $\qquad$
$78-1=$ $\qquad$ $89-3=$ $\qquad$


## Choose a Strategy to Subtract

## Use any strategy to subtract.

1 $7-6=$ $\qquad$

2 $8-4=$ $\qquad$
3. $16-7=$ $\qquad$ 4. $11-4=$ $\qquad$
$514-8=$ $\qquad$ 6 $12-7=$ $\qquad$
$710-7=$ $\qquad$ $818-9=$ $\qquad$

Write an equation to solve the problem.
9 Thomas has I5 party $\qquad$ - $\qquad$ $=$ invitations. He gives out 9 . How many are left? $\qquad$ invitations

10 A store had 13 lemons. $\qquad$ - $\qquad$ $=$ $\qquad$
They sell 5. How many lemons do they have now? $\qquad$ lemons

## Name That Sign

Write the equation. Solve.

I
I I birds fly in the sky.
Then 6 of them land on a tree. How many birds fly now?

U Jon has 13 grapes. He eats 7 .

## S

A teacher has 12 pens. He gives
5 pens to students. How many does the teacher have now?

A store has 10 stuffed toys. 2 get sold. How many stuffed toys does the store have now?
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What is the name for the subtraction sign?
$-\frac{5}{5}-\frac{}{9}-\frac{7}{6}$

## How Many Now?

Look at the chart of craft items. How many are there now?

Count on to subtract. Draw to show your work.

I Margo uses 9 pieces of string.

| Craft Items |
| :--- |
| I2 pieces of string |
| 9 cotton balls |
| II stickers |
| IO pieces of paper |
| II foam letters | There are ___ pieces of string now.

2 Ari uses 7 cotton balls.
There are $\qquad$ cotton balls now.

3 Ellie uses 8 stickers.
There are $\qquad$ stickers now.

4 Josef uses 9 pieces of paper. There is $\qquad$ piece of paper now.

5 Rochelle uses 9 foam letters.
There are $\qquad$ foam letters now.

Fill It In
Write the missing numbers in the
Counting Chart.

| 1 | 2 | 3 |  |  | 6 | 7 | 8 | 9 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 12 | 13 | 14 | 15 | 16 |  |  | 19 | 20 |
| 21 | 22 | 23 | 24 |  | 26 |  | 28 | 29 | 30 |
|  |  | 33 | 34 |  | 36 | 37 | 38 | 39 |  |
| 41 | 42 | 43 |  |  |  | 47 | 48 | 49 |  |
| 51 |  | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 |  | 63 | 64 | 65 | 66 | 67 |  |  |  |
| 71 |  | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 |  | 85 |  | 87 |  | 89 | 90 |
|  | 92 |  | 94 |  | 96 |  | 98 |  | 100 |
| 101 | 102 | 103 | 104 |  | 106 | 107 | 108 | 109 |  |
|  |  |  |  | 115 | 116 | 117 | 118 |  |  |

Name: $\qquad$

Date: $\qquad$ -

Calculate each sum.

$$
\begin{array}{r}
8 \\
+6 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
4 \\
+7 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
1 \\
+9 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
1 \\
+1 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
7 \\
+7 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
5 \\
+4 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
2 \\
+5 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
7 \\
+2 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
8 \\
+1 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
1 \\
+5 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
2 \\
+9 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
6 \\
+2 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
2 \\
+4 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
8 \\
+3 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
8 \\
+9 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
6 \\
+6 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
2 \\
+8 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
8 \\
+8 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
4 \\
+6 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
6 \\
+5 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
8 \\
+7 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
2 \\
+1 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
9 \\
+4 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
5 \\
+5 \\
\hline
\end{array}
$$

## Practice Facts to 20

Add or subtract to solve.
1 $6+8=14$
2 . $5=9-4$
$38+2=10$
$4 \quad 8=4+4$
5 $13-4=\underline{9}$
$6 \quad 6=15-9$
$7 \begin{array}{r}9 \\ +\quad 9 \\ \hline 18\end{array}$
$\begin{array}{r}10 \\ +4 \\ \hline 14\end{array}$
9 $\begin{array}{r}9 \\ +\quad 0 \\ \hline 9\end{array}$
$10 \quad 12$
$-8$
11) $\begin{array}{r}13 \\ -\quad 13 \\ \hline 0\end{array}$
$12 \begin{array}{r}8 \\ +\quad 9 \\ \hline 17\end{array}$
$13 \begin{array}{r}16 \\ -5 \\ \hline 11\end{array}$
144
$\begin{array}{r}+9 \\ \hline 13\end{array}$

15 Tracy picks up 7 cans. Mario picks up 6 cans.
How many cans do Tracy and Mario pick up in all?

13 cans
16 There are 16 cars and 8 trucks in the parking lot. How many more cars than trucks are in the parking lot?

8 more cars

# Use Mental Math to Find 10 Less and 10 More 

Write the numbers to complete each sentence.

I Jung colors 66 pictures. Amy colors 10 more than Jung. Keri colors 10 more pictures than Amy. How many pictures do Amy and Keri each color?
Amy colors 76 pictures.
Keri colors 86 pictures.

2 Eric packs 43 boxes. Juan packs 10 fewer boxes than Eric. Ben packs 10 more boxes than Eric. How many boxes do Ben and Juan each pack?
Ben packs 53 boxes.
Juan packs 33 boxes.

Write the numbers that are 10 less and 10 more.
$3 \quad 62 \quad 72 \quad 82$
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## Add or Subtract Tens

To find $80-20$, follow these steps.
Start at 80 .
Subtract 2 tens.
$80-20=$


| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |

To subtract IO, move up one row in the chart.

Use the hundred chart to add or subtract.

| $\text { I } 60+30=$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2. $50-30=20$ | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|  | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 3 $40+20=60$ | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|  | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| $470-60=10$ | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|  | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| $520+60=\underline{80}$ | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 6 $90-50=40$ | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
|  | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| $730+40=70$ |  |  |  |  |  |  |  |  |  |  |

$880-50=30$

## I Spy Symbols

What numbers do you see through the glasses?
Compare the numbers. Write $>,<$ or $=$. Possible answers shown.
I

$24>$ II or II $<24$

3


$$
90>67 \text { or } 67<90
$$

4

$$
92>39 \text { or } 39<92
$$

3
2


7 I $>23$ or $23<7$ I

6

$43>12$ or $12<43$

## Favorite Books

Write an equation to solve.
Circle the correct answer. Check children's work.
Cara has many books about bugs, birds, and animals.
I She gives away 7 bug books and has 4 left. How many bug books did she have to start? $11-7=4$


2 Cara gets 5 new bird books. Now she has 17 bird books. How many bird books did she have to start?
$12+5=17$


3 She gives 6 dog books to the library and has 3 left. How many dog books did she have to start? $9-6=3$


4 Cara buys 7 new cat books. Now she has 13 cat books. How many cat books did she have to start?
$6+7=13$


## Develop Fluency in Subtraction

Write a subtraction equation. Solve.

I There are 7 cars at a car wash. 4 cars are washed. How many cars are not washed?

$$
\frac{7}{3}-\frac{4}{3} \text { cars }=3
$$

2 Jayden has 9 pieces of paper. He uses 5 pieces. How many pieces of paper does he have now?
$\qquad$ $\underline{9}-\underline{5}$

4 pieces of paper

Subtract.
$38-4=4$
$510-8=\underline{2}$
$78-1=\underline{7}$
$49-0=9$
$6-3=3$
8 $9-3=$ $\qquad$
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## Choose a Strategy to Subtract

## Use any strategy to subtract.

I $7-6=\underline{l}$
$28-4=$

3 $16-7=\underline{9}$
$411-4=7$

5 $14-8=6$
$6 \quad 12-7=\underline{5}$
$818-9=9$

10 A store had 13 lemons.
They sell 5. How many lemons do they have now?
$\underline{15}-\underline{9}=\underline{6}$ invitations. He gives out 9 . How many are left? 6 invitations
9 Thomas has I5 party
Write an equation to solve the problem.
$\qquad$艮

## Name That Sign

Write the equation. Solve.
I
I I birds fly in the sky.
Then 6 of them land on a tree.
How many birds fly now?
1 $1-6=5$


Jon has 13 grapes. He eats 7. How many does he have now?

$$
6
$$

$13-7=6$

S
A teacher has 12 pens. He gives
5 pens to students. How many does the teacher have now? |2-5 = 7

M
A store has 10 stuffed toys. 2 get sold. How many stuffed toys does the store have now?
$15-2=13$
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What is the name for the subtraction sign?
$\frac{M}{8} \frac{I}{5} \frac{N}{9} \frac{U}{6} \frac{S}{7}$

## How Many Now?

Look at the chart of craft items. How many are there now?
Count on to subtract. Draw to show your work. Check children's drawings.

I Margo uses 9 pieces of string.

| Craft Items |
| :--- |
| 12 pieces of string |
| 9 cotton balls |
| 11 stickers |
| 10 pieces of paper |
| 11 foam letters | There are 3 pieces of string now.

2 Ari uses 7 cotton balls.
There are $\quad 2$ cotton balls now.

3 Ellie uses 8 stickers.
There are 3 stickers now.

4 Josef uses 9 pieces of paper.
There is I piece of paper now.

5 Rochelle uses 9 foam letters.
There are 2 foam letters now.

Fill It In
Write the missing numbers in the
Counting Chart.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 |
| 111112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 |  |

## Adding With Some Regrouping (A) Answers

Name: $\qquad$ Date: $\qquad$
Calculate each sum.
$\begin{array}{r}8 \\ +6 \\ \hline 14\end{array}$
$\begin{array}{r}4 \\ +\quad 7 \\ \hline 11\end{array}$
$\begin{array}{r}1 \\ +\quad 9 \\ \hline 10\end{array}$
$\begin{array}{r}1 \\ +1 \\ \hline 2\end{array}$
$\begin{array}{r}7 \\ +7 \\ \hline 14\end{array}$
$\begin{array}{r}9 \\ +9 \\ \hline 18\end{array}$
$\begin{array}{r}5 \\ +4 \\ \hline 9\end{array}$
$\begin{array}{r}2 \\ +5 \\ \hline 7\end{array}$
$\begin{array}{r}7 \\ +2 \\ \hline 9\end{array}$
$\begin{array}{r}8 \\ +1 \\ \hline 9\end{array}$
$\begin{array}{r}1 \\ +5 \\ \hline 6\end{array}$
$\begin{array}{r}2 \\ +\quad 9 \\ \hline 11\end{array}$
$\begin{array}{r}6 \\ +2 \\ \hline 8\end{array}$
$\begin{array}{r}2 \\ +4 \\ \hline 6\end{array}$
$\begin{array}{r}8 \\ +3 \\ \hline 11\end{array}$
$\begin{array}{r}8 \\ +9 \\ \hline 17\end{array}$
$\begin{array}{r}6 \\ +6 \\ \hline 12\end{array}$
$\begin{array}{r}2 \\ +8 \\ \hline 10\end{array}$
$\begin{array}{r}8 \\ +8 \\ \hline 16\end{array}$
$\begin{array}{r}4 \\ +6 \\ \hline 10\end{array}$
$\begin{array}{r}6 \\ +5 \\ \hline 11\end{array}$
$\begin{array}{r}8 \\ +7 \\ \hline 15\end{array}$
$\begin{array}{r}2 \\ +1 \\ \hline 3\end{array}$
$\begin{array}{r}9 \\ +4 \\ \hline 13\end{array}$
$\begin{array}{r}5 \\ +5 \\ \hline 10\end{array}$

