PERIMETER SCHOOL
A Covenant Christian Community

## Rising Third 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:

- Total Number in a Rectangular Array
- Place Value Sheet
- Skip Counting
- Word Problems
- Regrouping - Balloon Math
- Time Sheet
- Adding With Some Regrouping
- Subtraction Facts to 18


## OPTIONAL MATH ACTIVITIES:

- Practice addition, subtraction, multiplication, and division facts.
- Finish any math pages from books that have not been completed.


## Student's Name

$\qquad$
Parent's Signature

1 Which equation shows how to find the total number of triangles?

$5+3=8$
$5+5=10$
$5+5+5=15$

2 Which equation shows how to find the total number of letters?


3 David put his awards in 2 rows. He put 5 awards in each row. What is the total number of awards David puts in rows?
$\qquad$ awards

4 How many circles are there?

$3+3+3+3=$ $\qquad$

7 How many stars are there?

$3+3=$ $\qquad$

8 Lily plants her vegetables in 5 rows. Each row has 5 vegetables planted. How many vegetables did Lily plant?
$\qquad$ vegetables

1 Andrew fills jars with pennies. He has 5 jars with 100 pennies in each. How many pennies does Andrew have?
$\qquad$ pennies

2 What does this model show? Choose the 3 correct answers.

10 tens


100 ones
1 hundred
100 hundreds

3 How many hundreds are in 900 ?
$\qquad$ hundreds

4 Write how many tens. Write how many hundreds.
Write the number.

$\qquad$ tens $\qquad$ hundreds

5 How many hundreds are in 400 ?
$\qquad$ hundreds

6 Dog treats come in boxes of 100. Daniel bought 8 boxes. How many dog treats did Daniel buy?
$\qquad$ dog treats

8 Ms. Lee has 700 cans of

Choose the 2 correct answers.

6 tens
600 ones
6 hundreds
60 hundreds
7 What does this model show?

food for the food bank. She will place 100 cans on each shelf.
How many shelves will she need?
$\qquad$ shelves

9 Write how many tens. Write how many hundreds. Write the number.

$\qquad$ tens $\qquad$ hundreds

10 Ahmed has 2 boxes of straws. Each box has 100 straws. He needs 800 straws. How many more boxes of straws does he need?
$\qquad$

1 Jen starts at 280 and counts by tens.
What are the next 3 numbers Jen will say after she adds the first ten?

280, 290, $\qquad$ , $\qquad$ , $\qquad$

2 Skip-count by 5s.

35, $\qquad$ , $\qquad$ ,

3 Choose the ways that show counting by tens.
Choose the 2 correct answers.

550, 560, 570, 580, 590
210, 310, 410, 510, 610
650, 651, 652, 653, 654
○ 170, 180, 190, 200, 210

4 Jeff starts at 190 and counts by hundreds.
What are the next 3 numbers Jeff will say?
190, $\qquad$ , $\qquad$ , $\qquad$

5 What number is missing from each pattern?

25, $\qquad$ , 35, 40, 45
10, 20, 30,
$\qquad$ , 50
$55,65,75,85$, $\qquad$
70, 75, $\qquad$ , 85, 90

6 Which of these shows counting by fives?

576, 577, 578, 579, 580
○ $120,130,140,150,160$
〇370, 375, 380, 385, 390

7 Some children are practicing counting. Which child will say more numbers?

Elsie counts by tens to 50 .
$\bigcirc$ Frank counts by fives to 20 .
Jack counts by hundreds to 300.

8 Skip-count by hundreds. 300, $\qquad$ , $\qquad$ , $\qquad$

9 Tom counts by ones to 100 . Jill counts by fives to 100 . Rick counts by tens to 100 . Which of these numbers will each of them say when they count?50
$\bigcirc 51$
$\bigcirc 55$

10 Which group of numbers shows counting by hundreds?

○ 500, 510, 520, 530
700, 701, 702, 703
6610, 710, 810, 910

## Solve Addition Word Problems

Write an equation to show the problem. Solve.

I One row in a garden has I5 tomato plants. A second row has 19 tomato plants. How many tomato plants are there in all?
tomato plants

3 There are 18 birds in a tree. Some more birds join them. Now there are 52 birds. How many birds join them?
$\qquad$ birds
Write a word problem that can be solved by this equation.

2 Kim eats 23 raisins. Kim eats 9 fewer raisins than Joey. How many raisins does Joey eat?
$\qquad$
$\qquad$ raisins

4 There are 24 children on the small playground. There are 47 children on the large playground. How many children are on both playgrounds altogether?
$\qquad$
children
$17+29=\square$

## Balloon Math

Solve each problem. Match it to the correct balloon.
If you regrouped once, color the balloon red.
If you regrouped twice, color it blue.
If you didn't regroup, color the balloon yellow.

I $822+101$.
2. $547-328$


3 $235+179$
$4708-229$ •

$5146+475$ 。
$6997-184$ •
$7304+382$ •

8 200-73 •


1 Which clock shows a quarter past 8 ?




2 Which clock shows half past 10 ?


5 How many minutes have passed when the minute hand moves from 12 to 9 on a clock?
$\qquad$ minutes

6 Odell plays soccer at half past 3 . Write the time he plays soccer. Circle a.m. or p.m.
3: a.m.
p.m.

7 Circle the clocks that show a quarter after the hour.
You will not circle all the clocks.


8 Which clock matches each story?
Draw lines to match each story to a clock.

| Carrie eats lunch between |
| :---: |
| 11:00 and 12:00. |



| Paula gets off the bus |
| :---: |
| between 4:00 and 5:00. |



| Jane eats dinner 45 minutes <br> after 6:00. |
| :---: |




Name: $\qquad$

Date: $\qquad$

Score: $\qquad$ /100

Calculate each sum.

| 7 | 4 | 7 | 1 | 4 | 7 | 8 | 9 | 4 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| +4 | +7 | +5 | +8 | +5 | +1 | +6 | +7 | +2 |
| + |  | $\underline{+5}$ |  |  |  |  |  |  |

$\begin{array}{rrrrrrrrr}7 & 2 & 9 & 4 & 8 & 3 & 4 & 6 & 8\end{array} \begin{array}{r}9 \\ +2 \\ \hline\end{array}$


| 4 | 3 | 6 | 2 | 8 | 2 | 8 | 4 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| +6 | +2 | +6 | +9 | +3 | +8 | +4 | +8 |


| 5 | 5 | 5 | 5 | 1 | 5 | 6 | 9 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| +4 | +1 | +8 | +3 | +4 | +6 | +9 | +8 |


| 3 | 5 | 1 | 6 | 4 | 8 | 2 | 7 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| +4 | +2 | +9 | +3 | +9 | +8 | +2 | +9 |


| 7 | 6 | 1 | 3 | 2 | 2 | 3 | 4 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| +3 | +7 | +7 | +8 | +4 | +6 | +9 | +1 |


| 2 | 7 | 9 | 9 | 3 | 4 | 8 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| +5 | +6 | +9 | +7 | +8 | +4 | +8 |


| 1 | 7 | 9 | 8 | 7 | 5 | 2 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| +7 | +3 | +6 | +6 | +9 | +8 | +6 |

Calculate each difference.

| 15 | 13 | 6 | 10 | 2 | 4 | 6 | 14 | 10 | 4 |
| :--- | ---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\underline{-8}$ | $\underline{-9}$ | $\underline{-3}$ | $\underline{-6}$ | $\underline{-0}$ | $\underline{-4}$ | $\underline{-0}$ | $\underline{-9}$ | $\underline{-2}$ | $\underline{-3}$ |
| 13 | 11 | 6 | 8 | 13 | 9 | 11 | 12 | 8 | 5 |
| $\underline{-4}$ | $\underline{-3}$ | $\underline{-4}$ | $\underline{-6}$ | $\underline{-7}$ | $\underline{-5}$ | $\underline{-5}$ | $\underline{-9}$ | $\underline{-7}$ | $\underline{-3}$ |
| 11 | 7 | 14 | 13 | 7 | 5 | 7 | 10 | 15 | 12 |
| $\underline{-2}$ | $\underline{-7}$ | $\underline{-5}$ | $\underline{-6}$ | $\underline{-1}$ | $\underline{-0}$ | $\underline{-3}$ | $\underline{-4}$ | $\underline{-6}$ | $\underline{-4}$ |
| 12 | 18 | 10 | 1 | 7 | 9 | 12 | 7 | 14 | 6 |
| $\underline{-6}$ | $\underline{-9}$ | $\underline{-5}$ | $\underline{-1}$ | $\underline{-5}$ | $\underline{-4}$ | $\underline{-8}$ | $\underline{-2}$ | $\underline{-8}$ | $\underline{-2}$ |
| 14 | 3 | 7 | 10 | 10 | 11 | 9 | 8 | 5 | 15 |
| $\underline{-7}$ | $\underline{-1}$ | $\underline{-6}$ | $\underline{-8}$ | $\underline{-9}$ | $\underline{-9}$ | $\underline{-8}$ | $\underline{-1}$ | $\underline{-4}$ | $\underline{-7}$ |
| 6 | 13 | 12 | 5 | 9 | 8 | 3 | 13 | 4 | 16 |
| $\underline{-1}$ | $\underline{-8}$ | $\underline{-5}$ | $\underline{-5}$ | $\underline{-3}$ | $\underline{-4}$ | $\underline{-3}$ | $\underline{-5}$ | $\underline{-1}$ | $\underline{-8}$ |
| 16 | 7 | 15 | 9 | 1 | 2 | 3 | 14 | 8 | 0 |
| $\underline{-9}$ | $\underline{-0}$ | $\underline{-9}$ | $\underline{-6}$ | $\underline{-0}$ | $\underline{-1}$ | $\underline{-2}$ | $\underline{-6}$ | $\underline{-3}$ | $\underline{-0}$ |
| 17 | 2 | 8 | 17 | 5 | 7 | 4 | 3 | 6 | 12 |
| $\underline{-8}$ | $\underline{-2}$ | $\underline{-2}$ | $\underline{-9}$ | $\underline{-1}$ | $\underline{-4}$ | $\underline{-2}$ | $\underline{-0}$ | $\underline{-5}$ | $\underline{-3}$ |
| 11 | 9 | 16 | 6 | 8 | 8 | 11 | 4 | 5 | 10 |
| $\underline{-6}$ | $\underline{-2}$ | $\underline{-7}$ | $\underline{-6}$ | $\underline{-8}$ | $\underline{-5}$ | $\underline{-4}$ | $\underline{-0}$ | $\underline{-2}$ | $\underline{-3}$ |
| 10 | 9 | 12 | 9 | 9 | 8 | 11 | 10 | 9 | 11 |
| $\underline{-1}$ | $\underline{-7}$ | $\underline{-7}$ | $\underline{-9}$ | $\underline{-0}$ | $\underline{-0}$ | $\underline{-7}$ | $\underline{-7}$ | $\underline{-1}$ | $\underline{-8}$ |

1 Which equation shows how to find the total number of triangles?

$5+3=8$
$5+5=10$
$5+5+5=15$

2 Which equation shows how to find the total number of letters?

$2+2+2+2=8$
$\bigcirc 2+4=6$
$2+2=4$

3 David put his awards in 2 rows. He put 5 awards in each row. What is the total number of awards David puts in rows?
10 awards

4 How many circles are there?


$$
3+3+3+3=
$$

7 How many stars are there?


$$
3+3=6
$$

8 Lily plants her vegetables in 5 rows. Each row has 5 vegetables planted. How many vegetables did Lily plant?
25 vegetables

1 Andrew fills jars with pennies. He has 5 jars with 100 pennies in each. How many pennies does Andrew have?
500 pennies

2 What does this model show? Choose the 3 correct answers.

10 tens


100 ones
1 hundred
100 hundreds

3 How many hundreds are in 900 ?
$\qquad$ hundreds

4 Write how many tens. Write how many hundreds. Write the number.


30 tens $\quad 3$ hundreds 300

5 How many hundreds are in 400 ?
$\qquad$ hundreds

6 Dog treats come in boxes of 100. Daniel bought 8 boxes. How many dog treats did Daniel buy?
800 dog treats

8 Ms. Lee has 700 cans of

Choose the 2 correct answers.

6 tens
600 ones
6 hundreds
60 hundreds
7 What does this model show?

food for the food bank. She will place 100 cans on each shelf.

How many shelves will she need?

$\qquad$<br>7 shelves

9 Write how many tens. Write how many hundreds. Write the number.

40 tens $\quad 4 \quad$ hundreds 400

10 Ahmed has 2 boxes of straws. Each box has 100 straws. He needs 800 straws. How many more boxes of straws does he need?

1 Jen starts at 280 and counts by tens.
What are the next 3 numbers Jen will say after she adds the first ten?

280, 290, $\qquad$ 300 , $\qquad$ 310 , 320

2 Skip-count by 5s.

35, $\qquad$ 40 , $\qquad$ , $\qquad$ 50

3 Choose the ways that show counting by tens.
Choose the 2 correct answers.

550, 560, 570, 580, 590
210, 310, 410, 510, 610
○ 650, 651, 652, 653, 654
○ 170, 180, 190, 200, 210

4 Jeff starts at 190 and counts by hundreds.
What are the next 3 numbers Jeff will say?
190, $\qquad$ 290 , $\qquad$ 390 , $\qquad$

5 What number is missing from each pattern?

25, $\qquad$ 30 35, 40, 45

10, 20, 30, $\qquad$ 40 , 50
$55,65,75,85$, $\qquad$
70, 75, $\qquad$ , 85, 90

6 Which of these shows counting by fives?

576, 577, 578, 579, 580
O 120, 130, 140, 150, 160
370, 375, 380, 385, 390

7 Some children are practicing counting. Which child will say more numbers?

Elsie counts by tens to 50 .
Frank counts by fives to 20 .
O Jack counts by hundreds to 300.

8 Skip-count by hundreds.
300, $\qquad$ 00 , $\qquad$ , 600

9 Tom counts by ones to 100 . Jill counts by fives to 100 . Rick counts by tens to 100 . Which of these numbers will each of them say when they count?

50
$\bigcirc 51$
$\bigcirc 55$

10 Which group of numbers shows counting by hundreds?

○ 500, 510, 520, 530
700, 701, 702, 703
610, 710, 810, 910

## Solve Addition Word Problems

Write an equation to show the problem. Solve.

I One row in a garden has I5 tomato plants. A second row has 19 tomato plants. How many tomato plants are there in all?

$$
15+19=34
$$

34 tomato plants

3 There are 18 birds in a tree. Some more birds join them. Now there are 52 birds. How many birds join them?

$$
18+34=52
$$

34 birds

Write a word problem that can be solved by this equation.

2 Kim eats 23 raisins. Kim eats 9 fewer raisins than Joey. How many raisins does Joey eat?

$$
23+9=32
$$

32 raisins

4 There are 24 children on the small playground. There are 47 children on the large playground. How many children are on both playgrounds altogether?

$$
24+47=71
$$

71 children

## Possible answer: Jane reads 17 pages of her book before

 lunch and 29 pages after lunch. How many pages does she read in all?
## Balloon Math

Solve each problem. Match it to the correct balloon.
If you regrouped once, color the balloon red.
If you regrouped twice, color it blue.
If you didn't regroup, color the balloon yellow.
Check children's work.

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1 Which clock shows a quarter past 8 ?




2 Which clock shows half past 10 ?


5 How many minutes have passed when the minute hand moves from 12 to 9 on a clock?
$\qquad$ 45 minutes

6 Odell plays soccer at half past 3 . Write the time he plays soccer. Circle a.m. or p.m.
3:


7 Circle the clocks that show a quarter after the hour.
You will not circle all the clocks.


8 Which clock matches each story?
Draw lines to match each story to a clock.



Name: $\qquad$ Date: $\qquad$
Calculate each sum.




$$
\begin{array}{rrrrrrrrr}
8 & 3 & 7 & 6 & 2 & 8 & 1 & 9 & 7 \\
+5 & +6 & +8 & +4 & +7 & +9 & +6 & +5 & +7 \\
\hline 13 & +9 & \frac{+9}{15} & \frac{+9}{17} & \frac{+3}{7} & \frac{+3}{14} & \frac{1}{14} &
\end{array}
$$

$$
\begin{array}{rrrrrrrrr}
4 & 3 & 6 & 2 & 8 & 2 & 8 & 4 & 3 \\
+6 & +2 \\
\hline 10 & +6 & +6 & +9 \\
\hline 12 & \frac{+3}{11} & \frac{+8}{10} & \frac{+4}{12} & \frac{+8}{12} & +\frac{1}{4} & \frac{+1}{10}
\end{array}
$$

$$
\begin{array}{rrrrrrrrr}
5 & 5 & 5 & 5 & 1 & 5 & 6 & 9 & 1 \\
+4 & +1 & +8 & +3 & +4 & +6 & +9 & +8 & +1 \\
\hline 9 & +13 & \frac{+6}{8} & \frac{+3}{11} & \frac{+3}{17} & \frac{1}{2} & \\
\hline
\end{array}
$$

$$
\begin{array}{rrrrrrrrr}
3 & 5 & 1 & 6 & 4 & 8 & 2 & 7 & 6 \\
+4 & +2 & +9 & +3 & +9 & +8 & +2 & +9 & +5 \\
\hline 7 & +5 & +9 & +3 \\
\hline 10 & \frac{+5}{4} & \frac{+3}{16} & \frac{11}{11} & \\
\hline
\end{array}
$$

$$
\begin{array}{rrrrrrrr}
7 & 6 & 1 & 3 & 2 & 2 & 3 & 4 \\
+3 & +7 & +7 & +8 & +4 & +6 & +9 & 1 \\
\hline 10 & +13 & +1 & +1 & +2 \\
\hline & +12 & +1 & +1 & +2
\end{array}
$$

$$
\begin{array}{rrrrrrrr}
2 & 7 & 9 & 9 & 3 & 4 & 8 & 1 \\
+5 & +6 & +9 & +7 & +8 & +4 & 6 & 6 \\
\hline 7 & +8 & +8 & +9 & +7 & +5 \\
\hline 13 & +16
\end{array}
$$

$$
\begin{array}{rrrrrrrr}
1 & 7 & 9 & 8 & 7 & 5 & 2 & 5 \\
+7 & +3 & +6 & +6 & +9 & +8 & +6 & +1 \\
\hline 8 & +15 & +5 & +5 & +2 \\
\hline 10
\end{array}
$$

Calculate each difference.

| 15 | 13 | 6 | 10 | 2 | 4 | 6 | 14 | 10 | 4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| -8 | -9 | -3 | -6 | -0 | -4 | -0 | -9 | -2 | -3 |
| 7 | 4 | 3 | 4 | 2 | 0 | 6 | 5 | 8 | 1 |
| 13 | 11 | 6 | 8 | 13 | 9 | 11 | 12 | 8 | 5 |
| -4 | -3 | -4 | -6 | -7 | -5 | -5 | -9 | -7 | -3 |
| 9 | 8 | 2 | 2 | 6 | 4 | 6 | 3 | 1 | 2 |
| 11 | 7 | 14 | 13 | 7 | 5 | 7 | 10 | 15 | 12 |
| -2 | -7 | -5 | -6 | -1 | -0 | -3 | -4 | -6 | -4 |
| 9 | 0 | 9 | 7 | 6 | 5 | 4 | 6 | 9 | 8 |
| 12 | 18 | 10 | 1 | 7 | 9 | 12 | 7 | 14 | 6 |
| -6 | -9 | -5 | -1 | -5 | -4 | -8 | -2 | -8 | -2 |
| 6 | 9 | 5 | 0 | 2 | 5 | 4 | 5 | 6 | 4 |
| 14 | 3 | 7 | 10 | 10 | 11 | 9 | 8 | 5 | 15 |
| -7 | -1 | -6 | -8 | -9 | -9 | -8 | -1 | -4 | -7 |
| 7 | 2 | 1 | 2 | 1 | 2 | 1 | 7 | 1 | 8 |
| 6 | 13 | 12 | 5 | 9 | 8 | 3 | 13 | 4 | 16 |
| -1 | -8 | -5 | -5 | -3 | -4 | -3 | -5 | -1 | -8 |
| 5 | 5 | 7 | 0 | 6 | 4 | 0 | 8 | 3 | 8 |
| 16 | 7 | 15 | 9 | 1 | 2 | 3 | 14 | 8 | 0 |
| -9 | -0 | -9 | -6 | -0 | -1 | -2 | -6 | -3 | -0 |
| 7 | 7 | 6 | 3 | 1 | 1 | 1 | 8 | 5 | 0 |
| 17 | 2 | 8 | 17 | 5 | 7 | 4 | 3 | 6 | 12 |
| -8 | -2 | -2 | -9 | -1 | -4 | -2 | -0 | -5 | -3 |
| 9 | 0 | 6 | 8 | 4 | 3 | 2 | 3 | 1 | 9 |
| 11 | 9 | 16 | 6 | 8 | 8 | 11 | 4 | 5 | 10 |
| -6 | -2 | -7 | -6 | -8 | -5 | -4 | -0 | -2 | -3 |
| 5 | 7 | 9 | 0 | 0 | 3 | 7 | 4 | 3 | 7 |
| 10 | 9 | 12 | 9 | 9 | 8 | 11 | 10 | 9 | 11 |
| -1 | -7 | -7 | -9 | -0 | -0 | -7 | -7 | -1 | -8 |
| 9 | 2 | 5 | 0 | 9 | 8 | 4 | 3 | 8 | 3 |

