Welcome to Summer Vacation! Your child has worked hard this school year to strengthen their ability as a *Mathematician*. Remember that learning does not stop outside the classroom. Daily routines and household chores can be used as activities to practice mathematical concepts and make learning fun. Having fun with math is key to helping children on their journey to become confident *mathematicians*.

Below you will find **Suggested Activities** and the **Summer Math Review Packet**. Engaging your child with some of the listed activities will help bridge their connections of mathematics to everyday life!

Suggested Activities:

- Add and subtract items around the house. Use the terms "more than," "less than," "equal to," and "is the same as" to describe the relationships between or among the items. Use multiplication and division when applicable and when grade appropriate. Ask questions such as "If you ate a total of 30 cookies, *some* in the morning and 12 in the afternoon, how many crackers did you eat in the morning?"

- Adding math language to daily conversations allows for students to connect what they've learned in school to their daily lives. For younger children, identify the shapes you see in the real world around you. For older students, discuss distance or gas mileage when traveling.

- Work with money. When shopping, let your child pay for items with exact amounts. Younger children can make patterns with coins and count the amount they have. For older children, calculate tips, discuss gas price comparisons and currency conversions when traveling. Provide experience with debit accounts.

- Use shopping to have conversations about math. Have younger children budget and ask them if they have enough money to pay for the item they want. Ask them to calculate how much they would have left after buying the item. Older children

can look at the unit price or price per pound and calculate the costs. Have them find the better buy for their money.

● Practice measurement at home with cooking, laundry, or discussions about household projects such as painting or working on a new floor.

● Get to know their video game interests. Chances are the level achievements in their games correlate to numeric advances.

Be creative and have fun with your child! More ideas for your child's grade level can be found at the following links:

https://www.parent.co/how-to-help-kids-practice-using-math-in-real-life/
https://www.education.com/activity/
https://www.weareteachers.com/15-fun-ways-to-practice-math/
https://www.thinkthroughmath.com/math-real-life-examples/
http://www.parents.com/kids/education/math-and-science/playful-math-activities-for-preschoolers/

**Summer Math Review Packet** is included on the following page.

1. Ella has 58 stickers. James has 9 fewer stickers than Ella. James gives 5 of his stickers to his brother. How many stickers does James have now?

Ⓐ 14   Ⓒ 49

Ⓑ 44   Ⓓ 53

2. Choose all of the problems that you will solve by regrouping if you add using place-value blocks. Draw blocks if needed.

☐   23 + 79

☐   55 + 35

☐   14 + 27

☐   46 + 33

☐   51 + 23

3. What number does the model show? Write the number and complete the sentence.
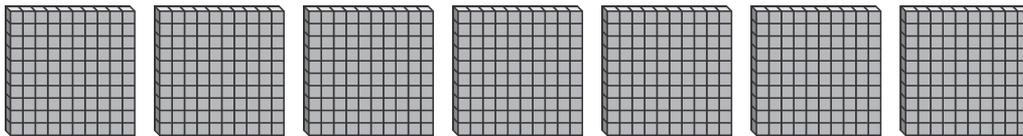
_____ equals _____ hundreds, _____ tens, and _____ ones.

4. Miguel goes to the library at the time shown on the clock.

3:15

Choose all of the statements that correctly tell the time Miguel goes to the library.

☐ quarter past 3   ☐ 15 minutes after 3

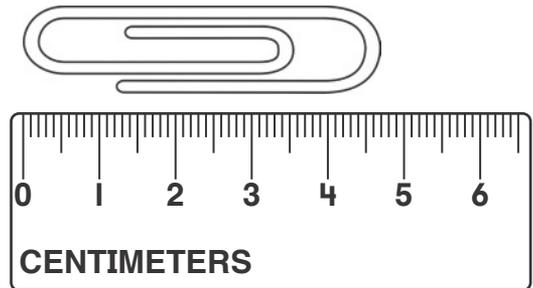☐ quarter to 4   ☐ 45 minutes before 4

☐ quarter past 4

5. James has 65 pennies and 18 dimes. How many coins does James have?

Break apart the numbers to solve.

Show your work.

_____ coins

6. Leon measures a paper clip to the nearest centimeter. What is the length of the paper clip to the nearest centimeter? What would be the combined length of three paper clips?

0   1   2   3   4   5   6

CENTIMETERS

The length of the paper clip is _____ centimeters.

The length of 3 paper clips is _____ centimeters.

7. Mr. Hom's students collect 438 cans. Ms. Jenson's students collect 343 cans. How many cans do the students collect in all?

Use the open number line to solve. Explain your work.

8. Dean draws a polygon with 3 sides and 3 angles. What shape does he draw?

(A) quadrilateral

(B) pentagon

(C) hexagon

(D) triangle

9. When Kaylie was younger, she was 42 inches tall. Now she is 51 inches tall. How many inches did Kaylie grow?

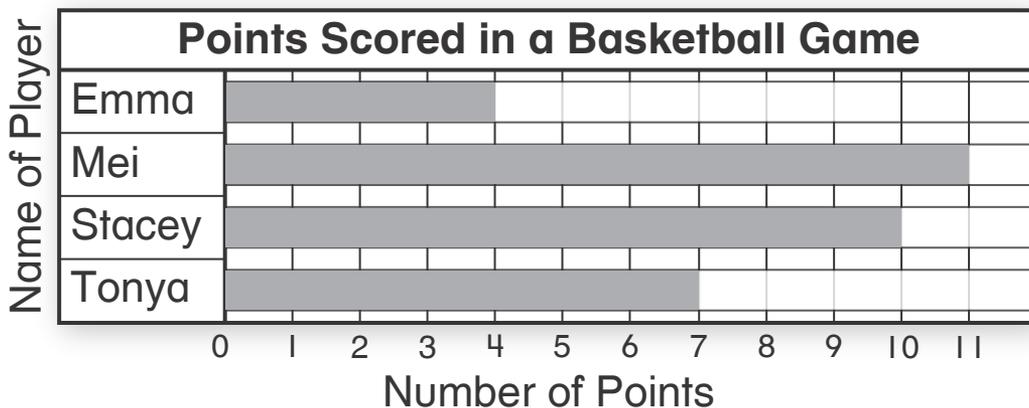(A) 9 in.   (C) 51 in.

(B) 11 in.   (D) 93 in.

10. Count the number of squares in the rows and columns of the rectangle. Use the numbers on the cards to write the missing numbers in the equations.

| 3 | 4 | 12 |
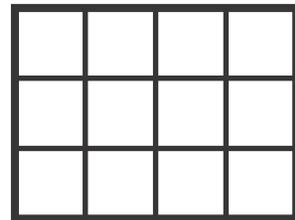
Rows: _____ + _____ + _____ = _____ squares

Columns: _____ + _____ + _____ + _____ = _____ squares

11. How many more points did Stacey score than Emma?

Points Scored in a Basketball Game

Name of Player

| Emma |
| Mei |
| Stacey |
| Tonya |

Number of Points
0 1 2 3 4 5 6 7 8 9 10 11
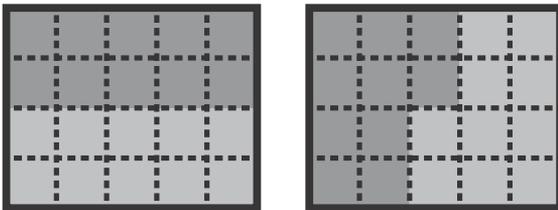
(A) 1   (B) 5   (C) 6   (D) 7

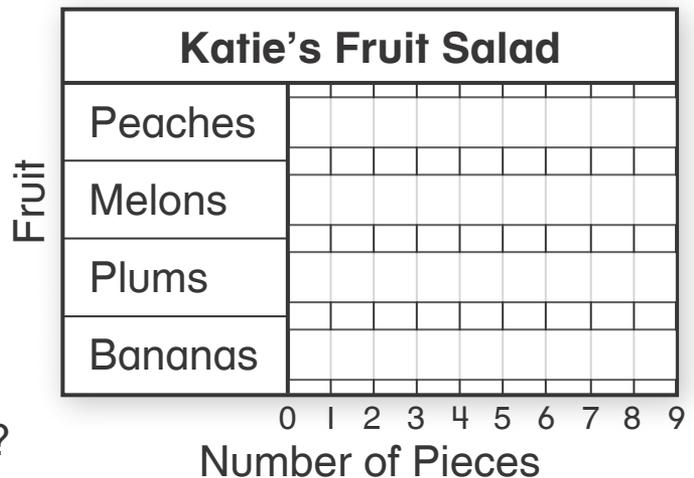**12.** David hikes 24 miles on Monday and Tuesday. He hikes 11 miles on Tuesday. Use the number line to find how many miles David hikes on Monday.

Then explain your work.

13. Jared says there are only two ways to divide the same rectangle below into 2 equal shares. Do you agree? Use words and pictures to explain.

14. Katie is making fruit salad. She has 5 peaches, 2 melons, 8 plums, and 6 bananas. Show these data in the bar graph. Draw the bars.

How many more plums does Katie use than melons?

_____ more plums

Katie's Fruit Salad

Fruit

Peaches

Melons

Plums

Bananas

0 1 2 3 4 5 6 7 8 9
Number of Pieces

15. Brendan draws a polygon. It has fewer than 6 angles and more sides than a rectangle. Which shape does Brendan draw?

Ⓐ triangle

Ⓑ pentagon

Ⓒ hexagon

Ⓓ quadrilateral

16. What is the total distance around the drawing? Use the image below for help.
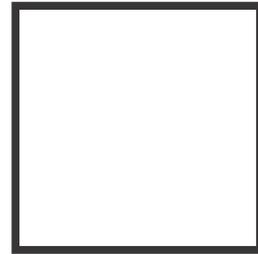
22 in.

14 in.
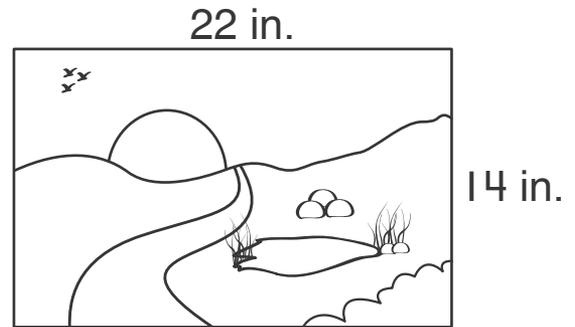
Distance around: _____ in.

17. Draw lines to show the square with 3 equal shares. Then complete the sentences.

Each share is a _____ of the whole.

The whole is _____ thirds.

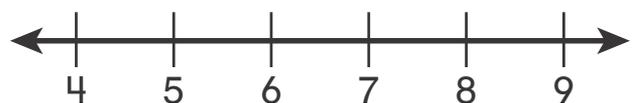**18.** Complete the table and the line plot.

A. Use a centimeter ruler. Measure the length of the hairpin to the nearest centimeter. Write the length in the table.

Hairpin Lengths in Centimeters			
6	9	8	5
8	8	5	

B. Use the data in the table to complete the line plot.

Hairpin Lengths

4   5   6   7   8   9

Number of Centimeters

What is the difference in length between the longest and shortest hairpins? _____ cm

19. Lamar is 50 inches tall. Jack is 3 inches taller than Lamar. Keiko is 5 inches shorter than Jack. How tall is Keiko?

42 inches   48 inches   52 inches   58 inches

Ⓐ   Ⓑ   Ⓒ   Ⓓ

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20. Use the table to complete the picture graph.

Season	Number of Students
Spring	3
Summer	5
Fall	4
Winter	2

Favorite Season	
Spring	
Summer	
Fall	
Winter	

Each ☀ = 1 student

Which sentence is true about the picture graph?
Choose all that apply.

☐   14 students voted in all.

☐   3 fewer students voted for spring than summer.

☐   2 more students voted for fall than winter.

☐   3 more students voted for summer than fall.

☐   15 students voted in all.

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21. Avery ran 15 miles last week. He runs 11 miles this week.

0   5   10   15   20   25   30

Use the number line to find how far Avery runs in all. Then explain your work.

_____ miles