Why Do We Have Summer?

by Rachelle Kreisman

Summer starts on the longest day of the year. We call that day the summer solstice.

Summer days are warm and long. There is more sunlight. People spend more time outdoors.

Why do we have summer? Earth tilts as it travels around the sun. When Earth's northern half leans toward the sun, that part has summer.

Summer starts in the northern half of Earth around June 21. At that time, it is winter in the southern part of Earth. That is because the Earth's southern half is tilted away from the sun.

Name: _____ **Date:** _____

1. What is the summer solstice?

    A. The summer solstice is the hottest day of the year.

    B. The summer solstice is the longest day of the year.

    C. The summer solstice is the shortest day of the year.

2. The text explains why we have summer. Why do we have summer?

    A. Summer starts on the longest day of the year.

    B. Summer days are warm, long, and sunny.

    C. Earth tilts as it travels around the sun.

3. When the earth's southern half is tilted away from the sun, it is winter in the southern part of Earth. What season does the southern part of Earth have when it is tilted towards the sun?

    A. winter

    B. summer

    C. fall

4. What is "Why Do We Have Summer?" mainly about?

    A. why we have summer

    B. the northern half of Earth

    C. what summer days are like

5. What season is it in the southern half of Earth when people in the northern half have summer?

It is

_____

- -

_____

- -

_____

6. Please draw the earth as the northern half tilts towards the sun. Color the half of Earth which has summer red. Color the half of Earth which has winter blue.

_____

- -

_____

_____

- -

_____

7. What did you learn from "Why Do We Have Summer"?

_____

- -

_____

_____

- -

_____

8. Class Discussion Question: Use information from the text to explain why summer days are warm and long.

_____

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_____

_____

- -

_____

Drinking Fountain
by Marchette Chute

When I climb up
To get a drink,
It doesn't work
The way you'd think.

I turn it up,   5
The water goes
And hits me right
Upon the nose.

I turn it down
To make it small   10
And don't get any
Drink at all.

Name: _____ **Date:** _____

1. Why does the speaker of the poem climb up?

    A. to go down a slide

    B. to get hit in the nose

    C. to get a drink

2. Some words in this poem rhyme. What are two words in the poem that rhyme?

    A. "down" and "any"

    B. "small" and "all"

    C. "up" and "right"

3. The speaker of the poem has trouble using a drinking fountain.

What information from the poem supports this statement?

    A. When the speaker turns it down, the water of the drinking fountain becomes too small to drink.

    B. When the speaker climbs up to the drinking fountain, the speaker is not tall enough to reach the water.

    C. When the speaker turns it up, the water of the drinking fountain becomes too small to drink.

4. What is "The Drinking Fountain" mostly about?

    A. someone who is too short to use a drinking fountain

    B. someone who has trouble getting a drink from a drinking fountain

    C. someone who likes to drink water but does not like to drink milk

5. What happens when the speaker of the poem turns the water up?

The water hits the speaker on

_____

- -

_____

- -

_____

6. What did you learn from "The Drinking Fountain"?

_____

- -

_____

_____

- -

_____

7. What does the word "it" refer to in this poem? Support your answer with information from the poem.

_____

- -

_____

_____

- -

_____

8. Draw a picture of what happens when the speaker turns the water up.

Name _____

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?

(A) 14   (C) 49

(B) 44   (D) 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.
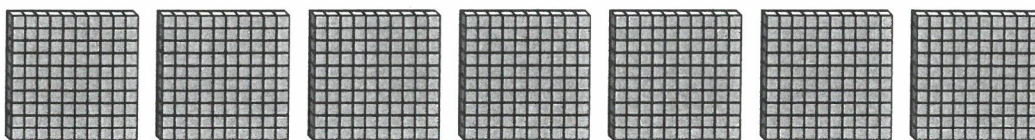
_____ equals _____ hundreds, _____ tens, and _____ ones.

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?
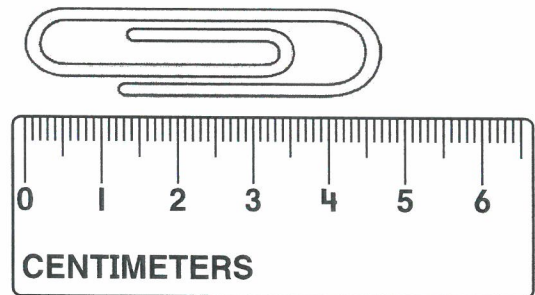
CENTIMETERS

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?

Ⓐ quadrilateral

Ⓑ pentagon

Ⓒ hexagon

Ⓓ triangle

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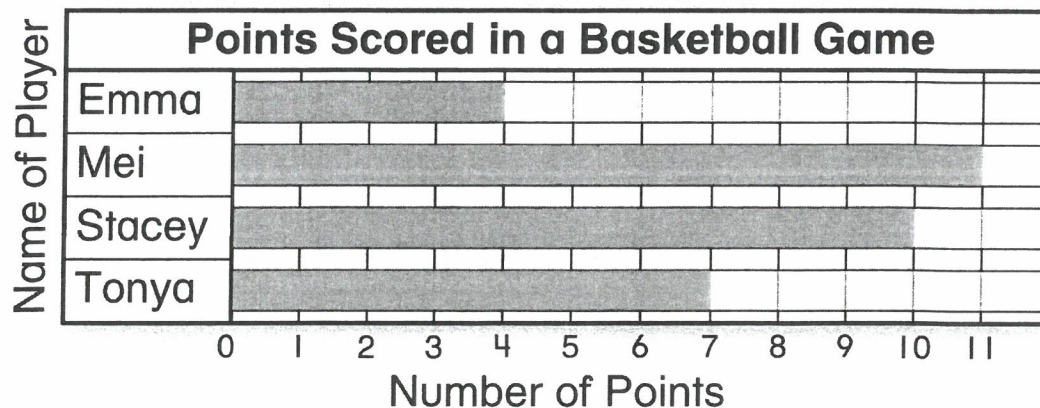
Ⓐ 9 in. Ⓒ 51 in.

Ⓑ 11 in. Ⓓ 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 |
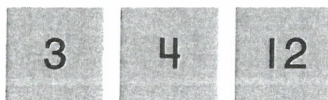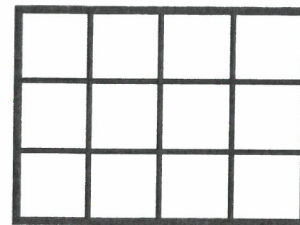
Rows: _____ + _____ + _____ = _____ squares

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

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

Points Scored in a Basketball Game

Name of Player / Number of Points

Emma, Mei, Stacey, Tonya
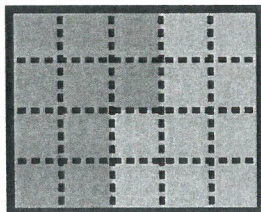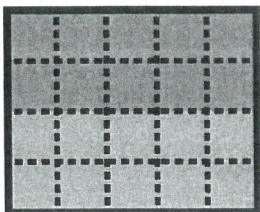
0 1 2 3 4 5 6 7 8 9 10 11

Ⓐ 1 Ⓑ 5 Ⓒ 6 Ⓓ 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.

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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.

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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

Number of Pieces: 0 1 2 3 4 5 6 7 8 9
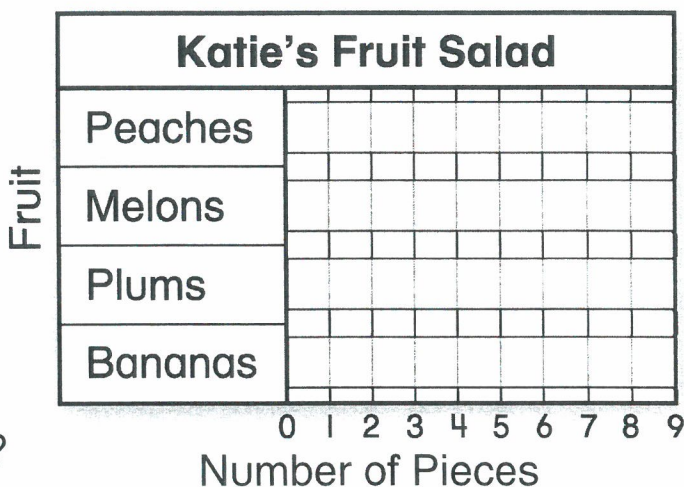
15. Brendan draws a polygon. It has fewer than 6 angles and more sides than a rectangle. Which shape does Brendan draw?

(A) triangle

(B) pentagon

(C) hexagon

(D) quadrilateral

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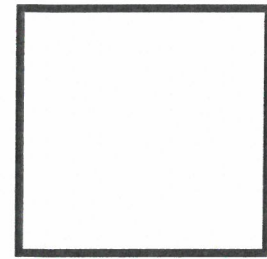
22 in.

14 in.
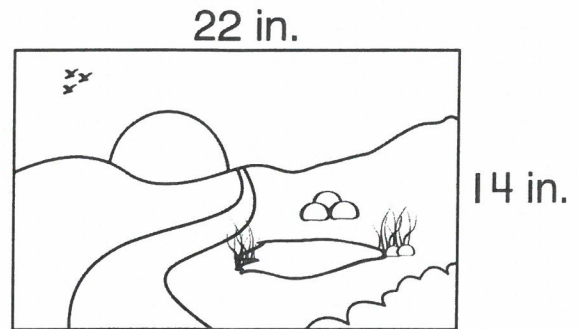
Distance around: _____ in.

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.
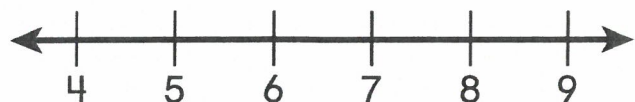
18. Complete the table and the line plot.

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
Ⓐ	Ⓑ	Ⓒ	Ⓓ

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.

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

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

0 5 10 15 20 25 30

_____ miles