School/Team Name_____

Sudden Death Test 01

1 The graph below shows the number of stuffed animals each child has on her bed.

Stuffed Animals on Bed

Child	Number of Stuffed Animals
Meme	🧸 🧸 🧸
Amy	🧸 🧸
Sasha	🧸 🧸 🧸 🧸
Chloe	🧸 🧸

Key
🧸 represents 6 animals

How many stuffed animals does Amy have on her bed?

A. 2
B. 6
C. 9
D. 12

2 Shawn rakes lawns to earn money. He always charges the same amount of money per hour. Shawn recorded the amount of time he spent raking and the money he earned in the table shown below.

Shawn's Record

Time (in hours)	Money Earned
2	$ 8
3	$12
7	$28
8	$32
10	?

Shawn spent 10 hours raking a lawn.

How much money did he earn raking the lawn?

A. $16
B. $34
C. $36
D. $40

3 The graph below shows the temperatures at Keung's house from 6:00 a.m. to 10:00 a.m.

Temperatures at Keung's House
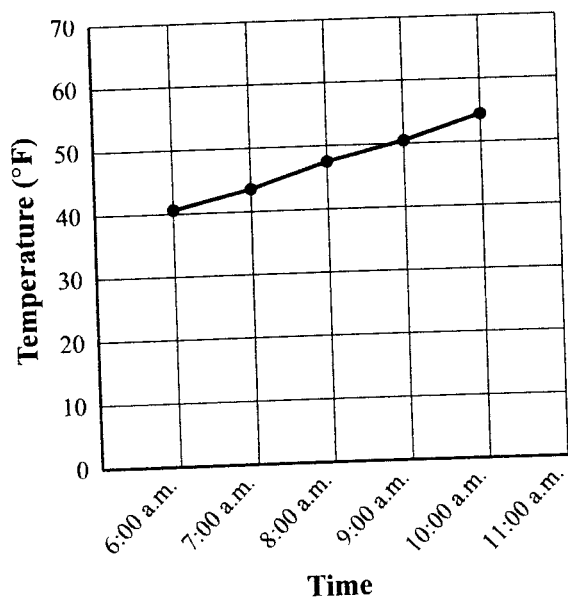
Based on the graph, what will the temperature at Keung's house **most likely** be at 11:00 a.m.?

A. 48°F

B. 52°F

C. 58°F

D. 65°F

4 What is 48,803 rounded to the nearest 10,000?

A. 40,000

B. 48,000

C. 49,000

D. 50,000

5 A regular octagon is shown below.
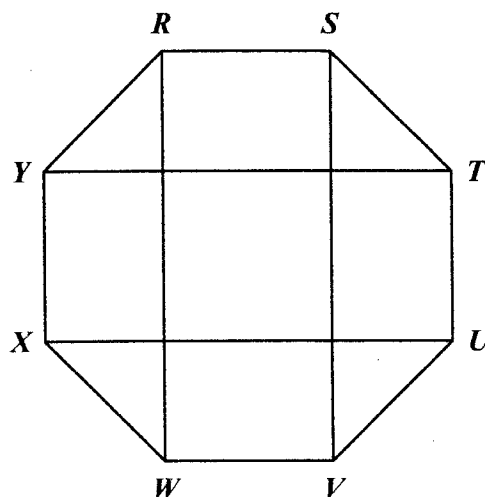
Which of the following line segments in the octagon are **perpendicular**?

A. $\overline{SV}$ and $\overline{XU}$

B. $\overline{SV}$ and $\overline{ST}$

C. $\overline{YT}$ and $\overline{ST}$

D. $\overline{YT}$ and $\overline{XU}$

6 The table below shows the numbers of people in different age groups in Boston in the year 2000.

Ages of People in Boston

Age Group (in years)	Number of People
under 5	32,046
5 to 9	33,721
10 to 14	32,553
15 to 19	43,631

Which age group in the table has fewer than 33,500 people but more than 32,500 people?

A. under 5

B. 5 to 9

C. 10 to 14

D. 15 to 19

7 Which of the following shows 70,329 written in expanded notation?

A. 7 + 0 + 3 + 2 + 9

B. 70 + 3 + 2 + 9

C. 7,000 + 300 + 20 + 9

D. 70,000 + 300 + 20 + 9

8 Mr. Barker divided his garden into 6 equal parts, as shown below.

Mr. Barker's Garden

corn	corn	corn
lettuce	tomatoes	tomatoes

Which of the following represents the difference between the fraction of the garden Mr. Barker planted with corn and the fraction of the garden he planted with lettuce?

A. $\frac{1}{6}$

B. $\frac{2}{6}$

C. $\frac{3}{6}$

D. $\frac{4}{6}$

9 Which of the following values for b makes the number sentence below true?

$$12 < 3 \times b$$

A. 2

B. 3

C. 4

D. 5

10 Caroline is thinking of a number. Some clues for her number are listed in the box below.

> The number has:
> - 2 hundreds
> - 6 ten thousands
> - 4 ones

Which of the following could be Caroline's number?

A. 200,604

B. 60,204

C. 6,204

D. 264

11 How many diagonals does a square have?

A. 1

B. 2

C. 3

D. 4

12 Ms. Ewing asked her students to write a multiplication sentence that uses only multiples of 2. Which of the following uses only multiples of 2?

A. $3 \times 6 = 18$

B. $4 \times 6 = 24$

C. $4 \times 7 = 28$

D. $5 \times 7 = 35$

Mathematics Reference Sheet
Grade 5

Use the information below, as needed, to answer questions on the Mathematics test.

Square	Rectangle	Triangle
Area = $s \times s$ Perimeter = $4 \times s$	Area = $l \times w$ Perimeter = $(2 \times l) + (2 \times w)$	Perimeter = $a + b + c$

1 foot = 12 inches

1 yard = 3 feet

1 mile = 5,280 feet

1 cup = 8 ounces (oz)

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 kilogram = 1000 grams

1 meter = 100 centimeters

1 centimeter = 10 millimeters

1 kilometer = 1000 meters

1 liter = 1000 milliliters

1 pound (lb) = 16 ounces (oz)

Mathletes Challenge Sudden Death

Name: __KEY - Test 01__

1. Ⓐ Ⓑ ● Ⓓ
2. Ⓐ Ⓑ Ⓒ ●
3. Ⓐ Ⓑ ● Ⓓ
4. Ⓐ Ⓑ Ⓒ ●
5. ● Ⓑ Ⓒ Ⓓ
6. Ⓐ Ⓑ ● Ⓓ
7. Ⓐ Ⓑ Ⓒ ●
8. Ⓐ ● Ⓒ Ⓓ
9. Ⓐ Ⓑ Ⓒ ●
10. Ⓐ ● Ⓒ Ⓓ
11. Ⓐ ● Ⓒ Ⓓ
12. Ⓐ ● Ⓒ Ⓓ