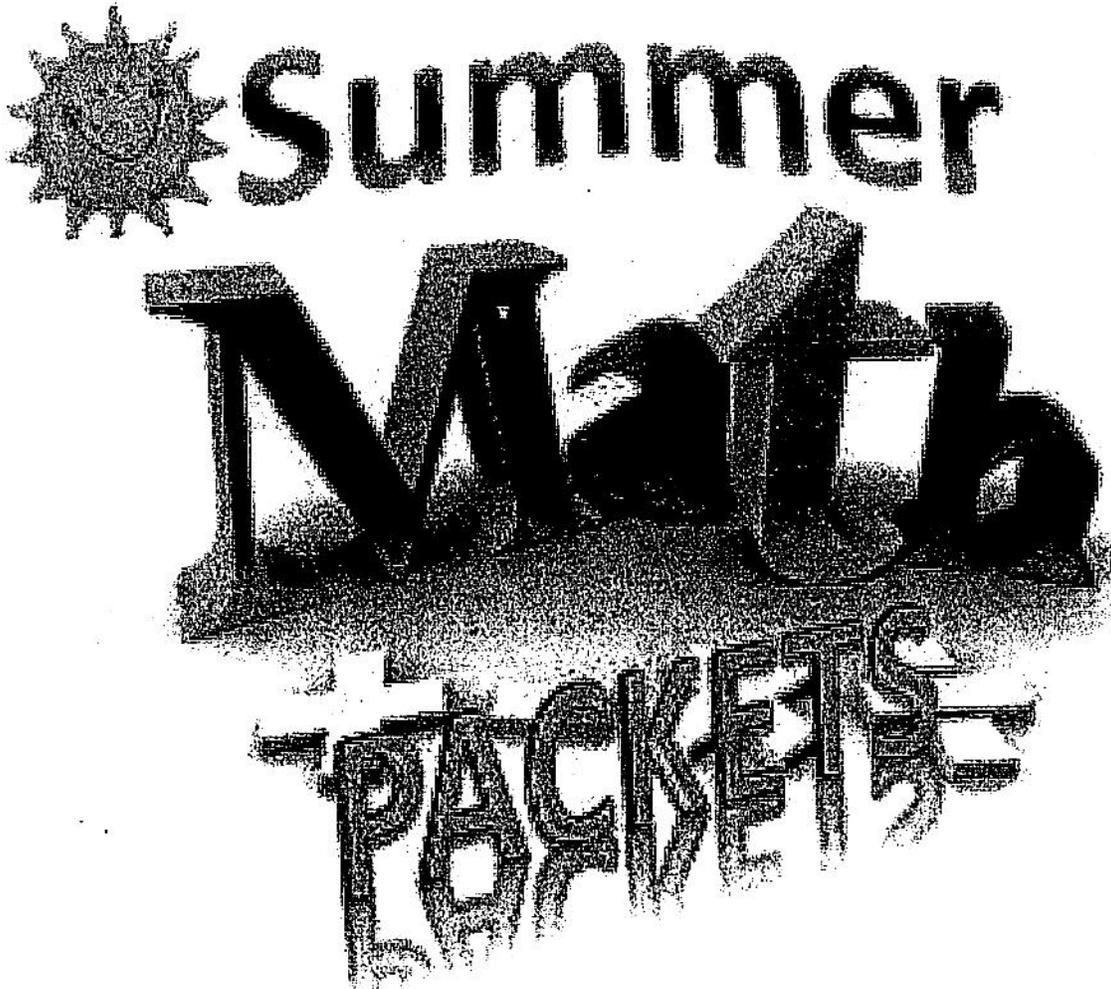


WALT WHITMAN MIDDLE SCHOOL 246

Grade 7



Name: _____

Due: Friday, September 5, 2025

Dear 246 Scholars,

Throughout the school year, you have worked hard to build a strong foundation of Mathematics skills. You have grown in the past year academically, socially, and emotionally.

During your summer break, I encourage you to continue fostering a love of learning at home in preparation for grade 7. Create a plan to complete the summer packet.

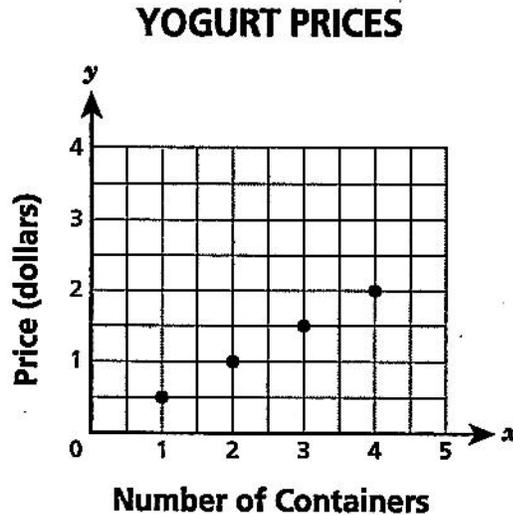
The assignment will be used as data to help your teachers plan for instruction to better support you. In addition, it will count as 5% of your first marking period grade.

We look forward to seeing you on Thursday, September 4.



33

The graph below shows the prices for a number of containers of a type of yogurt.



Which statement describes the unit price per container of yogurt?

- A The unit price is \$0.50.
- B The unit price is \$1.00.
- C The unit price is \$1.50.
- D The unit price is \$2.00.

34

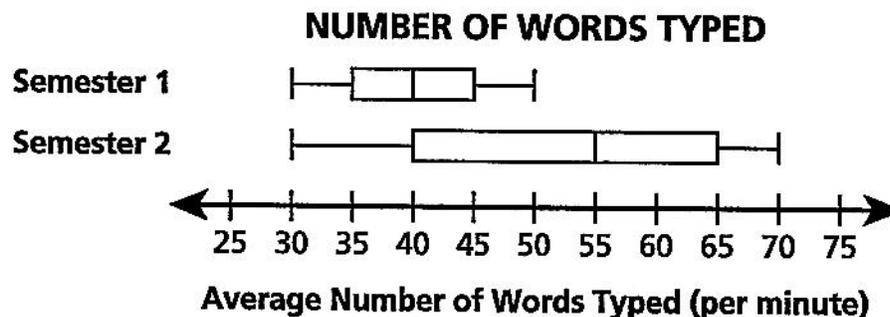
A student attends a fair. Admission to the fair is \$12.00 and each ride ticket costs \$5.50. The student can spend, at most, \$46.00 on admission and ride tickets. Which inequality can be used to find the number of ride tickets, x , the student can buy?

- A $12x + 5.5 \leq 46$
- B $5.5x + 12 \leq 46$
- C $5.5x + 12 \geq 46$
- D $12x + 5.5 \geq 46$

GO ON

35

Students in a class are recording the number of words they can type per minute each semester during the school year. The box plots below show the results for two semesters.



What is the difference in the median number of words typed per minute from Semester 1 to Semester 2?

- A 5
- B 10
- C 15
- D 20

36

Jacob bought a phone for x dollars. One year later, the value of the phone decreased by 20%. Which expression represents the value of the phone after the decrease?

- A $0.2x$
- B $0.8x$
- C $x - 0.2$
- D $x - 0.8$

GO ON

37

The temperature at 8:00 a.m. was -7°F . At 3:00 p.m., the temperature had risen to 8°F . What was the change in temperature, in degrees Fahrenheit, from 8:00 a.m. to 3:00 p.m.?

- A -15
- B -1
- C 1
- D 15

38

Audrey is planning a party for 30 people. She wants to buy enough juice for each person to have exactly 2 servings of juice.

- Each bottle of juice has 5 servings.
- Each bottle of juice costs \$4.89.

What is the total amount it will cost Audrey to buy the bottles of juice to serve her guests and have no juice left over?

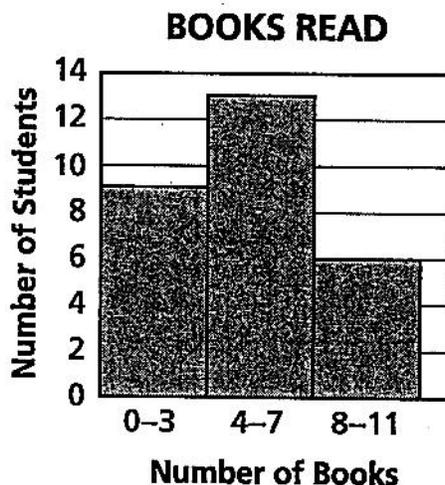
- A \$29.34
- B \$48.90
- C \$58.68
- D \$73.35

GO ON

39

This question is worth 1 credit.

The histogram below shows the results from a survey given to each student in a 6th grade class about the number of books they read over the summer.



Based on the histogram, how many students were surveyed?

Answer _____ students

GO ON

40

This question is worth 1 credit.

An expression is shown below.

$$\frac{0.5(4 - 6)}{0.2}$$

Determine the value of the expression.

Answer _____

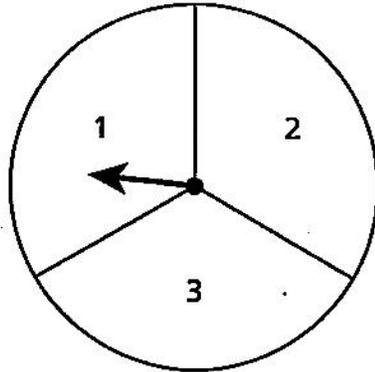
GO ON

41

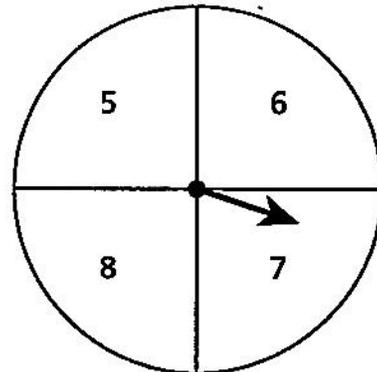
This question is worth 1 credit.

Darius will spin the arrows on two spinners. Spinner A is divided into three equal sections and Spinner B is divided into four equal sections as shown below. Darius will spin each arrow one time.

SPINNER A



SPINNER B



What is the probability that the product of the two numbers that the arrows land on from Darius's spins will be an odd number?

Answer _____

GO ON

42

This question is worth 2 credits.

Diego, Kris, and Mary each paid the same amount for a movie ticket at a theater. Each person also bought a small popcorn for \$6.50, including tax. The 3 friends spent a total of \$54.00 on the movie tickets and popcorn. What was the price of each movie ticket?

Show your work.

Answer \$ _____

GO ON

43

This question is worth 2 credits.

Andrea had a gift card with a balance of \$25.00. She makes a \$25.00 purchase using the gift card. Would the gift card balance be zero dollars after this transaction?

Explain your answer.

GO ON

44

This question is worth 2 credits.

Ryan drinks $\frac{3}{8}$ gallon of water for every $1\frac{1}{2}$ hours of exercise. At this rate, how much water, in gallons, does Ryan drink per hour of exercise?

Show your work.

Answer _____ gallon(s)

GO ON

45

This question is worth 2 credits.

The table below shows the price, in dollars, of different numbers of cans of soda.

SODA PRICES

Number of Cans	Price (dollars)
2	5.50
4	11.00
8	22.00
10	27.50

Is the relationship between the price, in dollars, and the number of cans of soda proportional?

Explain how you determined your answer.

46

This question is worth 2 credits.

An expression is shown below.

$$-5y + 3 - 6y + 10y - 1$$

Simplify the expression completely.

Show your work.

Answer _____

GO ON

47

This question is worth 2 credits.

Jeffrey is painting a rectangular mural on his bedroom wall. He sketches his design on a piece of paper as described below.

- He uses the entire piece of paper for his design.
- The paper has a length of 8 inches and a width of 6 inches.
- The scale factor is 1 inch to 1.75 feet.

What is the actual area, in square feet, of the mural that Jeffrey will paint on his wall?

Show your work.

Answer _____ square feet

GO ON

48

This question is worth 3 credits.

A store is offering discounts on two types of shirts.

- a 10% discount on short sleeve shirts with an original price of \$40.00
- a 25% discount on long sleeve shirts with an original price of \$50.00

How much will a customer spend, without tax, if they purchase one of each type of shirt?

Show your work.

Answer \$ _____

STOP

