



America's School of Heroes

Middle School 137

109-15 98th Street, Ozone Park, N.Y. 11417

Tel: 1-718-659-0471 Fax: 1-718-659-4594

Laura Mastrogiovanni, Principal

Assistant Principals:

Mark A. Main • Elizabeth Orsini-Fox • Michael Potwardski • Pamela Trincado • Michael Troy • Zoanne Wilkins

Middle School 137's Math Summer Packet



Dear Students, Parents and Guardians,

Thank you for another successful year here at Middle School 137! In efforts to better prepare you for the 7th grade, we have attached your assignment for both Math, which must be completed over the summer break.

Please complete both parts. Your work must be shown and if you need additional space please use a separate piece of paper.

This completed packet must be brought with you on the first day of school. The full packet is also available on our school website <http://heroesofms137.org> for you to print out. Your new math and ela teacher will be collecting and grading your work.

We wish you a very exciting summer and look forward to your return at MS 137 on Wednesday, September 5th!

Student Name: _____

Class: _____

Parent/Guardian Signature: _____



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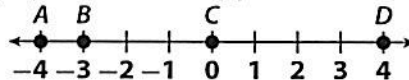
Mark A. Main • Elizabeth Orsini-Fox • Michael Potwardski • Pamela Trincado • Michael Troy • Zoanne Wilkins

Incoming 7th Grade Summer Packet 2018

Name: _____

Part One: Multiple-Choice

1. Which of the following points is graphed at the opposite of -4 on the number line below?



A A

B B

C C

D D

2. Jamal plotted points on a number line at the four values below. Which of these values is farthest from zero?

$$0.27, -\frac{1}{4}, 1.1, \frac{5}{3}$$

A 0.27

B $-\frac{1}{4}$

C 1.1

D $\frac{5}{3}$

3. Harriet recorded outdoor temperatures as -7°C , -2°C , and 1°C . Which of the following correctly compares the three temperatures?

A $-7 < 1 < -2$

B $1 < -2 < -7$

C $-2 < 1 < -7$

D $-7 < -2 < 1$

4. Which of the following is equivalent to the expression below?

$$\frac{2}{9} \times \frac{3}{4}$$

A $\frac{2}{9} \div \frac{3}{4}$

B $\frac{3}{4} \div \frac{2}{9}$

C $\frac{2}{9} \div \frac{4}{3}$

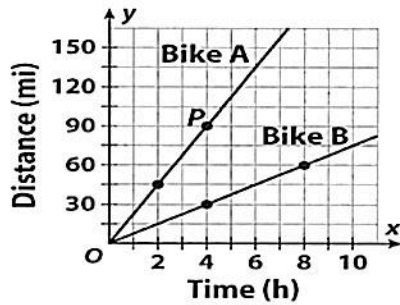
D $\frac{9}{2} \div \frac{4}{3}$

5. What is the greatest common factor of 12 and 48?
- A 12 B 24 C 36 D 48
6. What is the least common multiple of 5 and 12?
- A 24 B 30 C 36 D 60
7. Zoe is making a quilt using 15 red squares and 30 green squares. Which combination shows the same ratio of red squares to green squares?
- A 3 red squares to 6 green squares C 5 red squares to 12 green squares
 B 6 red squares to 3 green squares D 12 red squares to 5 green squares
8. Dennis ran a mile in 593.7 seconds. Martina ran a mile in 573.36 seconds. What was the difference in their running times?
- A 203.4 s B 19.34 s C 20.34 s D 26.01 s
9. Seth bought a 12-ounce jar of peanut butter for \$3.60. What is the unit price?
- A \$0.03/oz B \$0.30/oz C \$3.00/oz D \$3.03/oz
10. Jason's budget is shown in the circle graph below. His total monthly budget is \$3,000. How much does Jason spend on groceries?



- A \$25 B \$150 C \$450 D \$750
11. On a certain map, 3 inches represents 15 miles. Briarwood and Middletown are 5 inches apart on the map. What is the actual distance between Briarwood and Middletown?
- A 25 mi B 30 mi C 50 mi D 75 mi
12. What is the value of the expression: $675 - (15 - 12)^3 \div 3$
- A 216 B 224 C 666 D 678

Use the graph for Question #13.



13. What are the coordinates of point P ?

- A (4, 3) B (4, 30) C (4, 90) D (40, 90)

14. Write an algebraic expression for the phrase: **8 more than three times a number n**

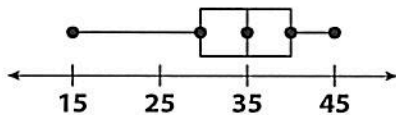
- A $3 + 8n$ B $8n - 3$ C $3n - 8$ D $3n + 8$

15. Which of the following expressions is equivalent to the expression below?

$$4(2x + 11)$$

- A $8x + 11$ B $6x + 44$ C $8x + 44$ D $4x + 4$

16. What is the median of the data represented in the box plot below?



- A 15 B 25 C 35 D 45

17. Sam paid \$8.28 for 18 stamps. At this rate, how much would it cost Sam to buy 12 stamps?

- A \$2.19 B \$2.28 C \$3.72 D \$5.52

18. Fei Yen's dog eats 8 ounces of dog food each day. Fei Yen bought a 28-pound bag of dog food. How many 8-ounce servings are in a 28-pound bag of dog food?

1 pound = 16 ounces

- A 14 B 56 C 224 D 4