



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

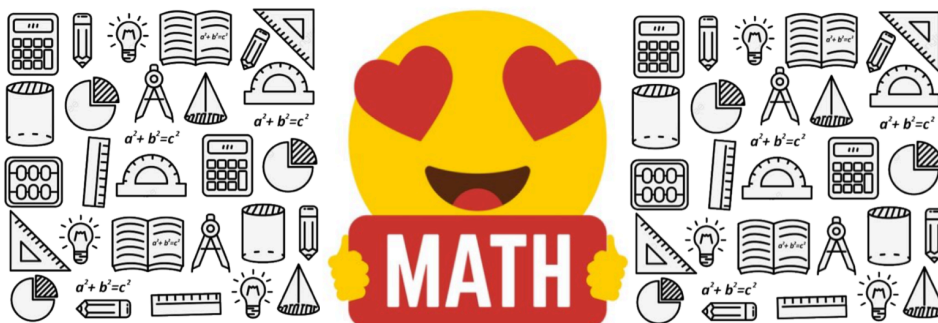
<http://www.heroesofms137.org>

Pamela Trincado, Principal

Assistant Principals:

Frank Bennici • Francesca Casale • Dimitra Galatsanos • Mark A. Main • Danielle Monock • Christina Reilly-Derasmo • Michael Troy

Middle School 137's Math Summer Packet



Dear Students, Parents and Guardians,

Welcome to Middle School 137! In an effort to better prepare you for the 6th grade, we have attached your assignment for Math, which must be completed over the summer break.

Your work must be shown in the space provided for each question on the right side of the packet.

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://www.heroesofms137.org/> for you to print out. Your new Math teacher will collect and grade your work.

We wish you a very exciting summer and look forward to welcoming you to MS 137 in September.

Sincerely,

Mrs. Reilly-Derasmo, A.P.

Student Name: _____

Class: _____

Parent/Guardian Signature: _____



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Incoming 6th Grade Summer Packet 2024

Name: _____

Class: _____

Part I - Answer all 20 questions in this part. Each correct answer will receive 2 credits. Use this space to show your work

Use this space for calculations:

<p>1) Which symbol makes the statement true?</p> <p style="text-align: center;">$0.025 \bigcirc 0.052$</p> <p>A) = C) ></p> <p>B) < D) \approx</p>	
<p>2) Which of the following shows 2.1851 rounded to the nearest tenth?</p> <p>A) 2.1 C) 2.19</p> <p>B) 2.185 D) 2.2</p>	
<p>3) William bought 6 CDs for \$8.97 each. About how much did he spend?</p> <p>A) \$9 C) \$54</p> <p>B) \$48 D) \$60</p>	
<p>4) What is the value of the expression below?</p> <p style="text-align: center;">$12.96 \div 27$</p> <p>A) 0.48 C) 48</p> <p>B) 4.8 D) 480</p>	

5) What is the value of the expression below?

$$\frac{2}{3} + \frac{1}{6}$$

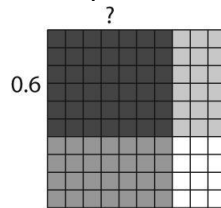
$$\frac{1}{2}$$

$$\frac{3}{9}$$

$$c \quad \frac{3}{12}$$

$$D \quad \frac{5}{6}$$

6) The grid below shows the quotient of $0.42 \div 0.6$. What is that quotient?



A) 0.06

C) 0.6

B) 0.07

D) 0.7

7) Pat needs boards that are $\frac{1}{2}$ foot long. Which equation shows how many $\frac{1}{2}$ -foot pieces he can get from a 4-foot longboard?

A) $4 + \frac{1}{2} = 4\frac{1}{2}$

C) $4 \div \frac{1}{2} = 8$

B) $4 \times \frac{1}{2} = 2$

D) $\frac{1}{2} \div 4 = \frac{1}{8}$

8) Joy put 6 photos on each page of her album. When she was done, she had 2 pictures left over. She put 38 pictures in the album. Which equation can be used to find how many pages Joy filled?

A) $38 \div x = 6 + 2$

C) $38 = 6x + 2$

B) $38 = 2x + 6$

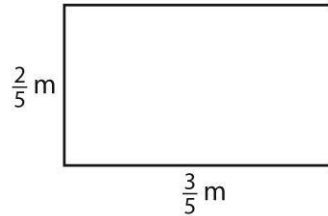
D) $38 = \frac{x}{6} + 2$

9) Find the value of the expression below.

$$[(10 + 26) \div 6] \div 3$$

- A) 2 C) 18
B) 6 D) 36

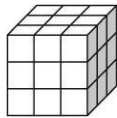
10) Ayisha is painting a picture on the canvas shown below.



What is the area of the canvas?

- A) $\frac{2}{5} \text{ m}^2$ C) $\frac{6}{5} \text{ m}^2$
B) $\frac{3}{5} \text{ m}^2$ D) $\frac{6}{25} \text{ m}^2$

11) Jalyn built a large cube out of smaller cubes. Each small cube is 1 cubic unit. What is the volume of the large cube?



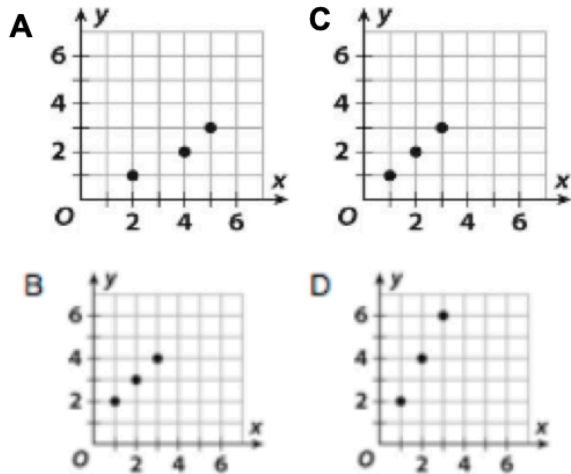
- A) 9 cubic units C) 18 cubic units
B) 12 cubic units D) 27 cubic units

12) Lu is graphing the ordered pair (3, 5). Starting at the origin, what does she need to do?

- A) Move 3 units up and 5 units to the right, and draw a dot at that point.
B) Move 3 units up and 3 units to the right, and draw a dot at that point.
C) Move 3 units to the right and 5 units up, and draw a dot at that point.
D) Move 5 units to the right and 3 units up, and draw a dot at that point.

13. The table below shows the number of books read by Beth. Which graph shows this relationship?

Number of Weeks	1	2	3
Number of Books	2	4	6



14) Use the fraction model below.



Pia sewed 7 skirts. Each skirt used $\frac{2}{5}$ yard of fabric. How much fabric did Pia use altogether?

- A) $1\frac{1}{5}$ yards C) $2\frac{4}{5}$ yards
- B) $2\frac{1}{5}$ yards D) $7\frac{1}{5}$ yards

15) Jungwon has \$15. Notepads cost \$2.50 each. How many notepads can Jungwon buy?

- A) 6 C) 37
- B) 17 D) 60

16) Phil ate $\frac{2}{5}$ of a pizza. Caroline ate $\frac{1}{4}$ of a pizza. How much did they eat in all?

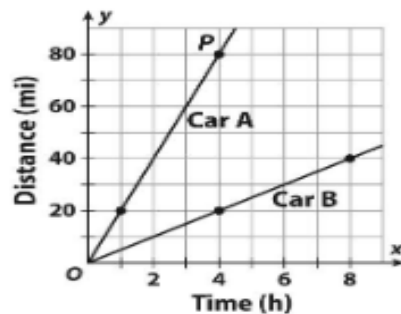
- A) $\frac{1}{3}$ pizza C) $\frac{13}{20}$ pizza
B) $\frac{2}{9}$ pizza D) $1\frac{1}{3}$ pizza

17) Leah cut a 7-inch piece of ribbon into pieces that are each $\frac{1}{2}$ an inch long. How many pieces of ribbon did she cut?

- A) 1 piece
B) 7 pieces
C) 14 pieces
D) 21 pieces

18. What are the coordinates of point P?

- A (2, 8) C (6, 4)
B (4, 80) D (80, 4)



19) What are all the factors of 9?

- A) 1, 2, 3
B) 2, 3, 6, 9
C) 1, 3, 9
D) 1, 2, 3, 6, 9

20) Jessica hit a golf ball 150.75 yards. Kayla hit a golf ball 130.25 yards. How much farther did Jessica hit a golf ball?

- A) 10.25 yards
B) 20.5 yards
C) 30.5 yards
D) 281 yards

Part Two: Short-Response- you must show all work

21. The highest scores at a gymnastics meet were 9.675, 9.25, 9.325, and 9.5.

a) Write the scores in order from least to greatest.

b) What is the difference between the highest and lowest scores of the gymnastics meet?

22.

For 4 weeks in June, Cameron biked $3\frac{1}{4}$ miles each week and swam $2\frac{1}{2}$ miles each week. For 3 weeks in July, he biked $4\frac{3}{4}$ miles each week and swam $3\frac{1}{2}$ miles each week.

How much greater was the total distance Cameron biked and swam in July compared to the total distance he biked and swam in June?

Show your work.