

Student Name _____

Hartsville Middle School

Rising 6th Grade Summer Math Work

OPTIONAL EXTRA CREDIT FOR HONORS AND ACADEMIC MATH CLASSES

DUE ON FRIDAY, JULY 31, 2026

You can find a link to make a copy of the summer math work on the HMS webpage.

Dear Student,

You now have the opportunity to earn extra credit for the first quarter in your math class and have your name entered to win outstanding prizes!

Anyone who completes the summer math assignment & turns it in by July 31, 2026 will

- be entered in a drawing to win
 - a free yearbook!
 - a trip to Dave and Buster's!
 - a free ice cream once a week for the entire first semester!

Math Work Requirements:

- Refer to your 5th grade math notebook or the internet for assistance but complete your **OWN** work.
- All sections should be completed **without** a calculator. Therefore, it is important to only use the calculator as a means to check over your answer, if used at all.
- Do not wait until the last minute to complete your assignment.
- **Write neatly and make sure all of your work is organized.**
- **Number your work according to how it is written in this packet.**
- **Show your work (step-by-step solutions), and circle or box-in your final answer.**

$$\frac{1}{16} \times 37$$

1. Which of the following is equivalent to this expression?

A. $\frac{(16 \times 1)}{37}$

C. $16 \times \frac{37}{1}$

B. $\frac{(1 \times 37)}{16}$

D. $(1 \times 16) \div 37$

2. Sam is putting a wooden edge around a glass table. What measurement does Sam need to know about the glass table before he starts?

A. volume

B. perimeter

C. area

3. Using this multiplication equation ($39 \times 20 = 780$), solve this division equation ($780 \div 39 = ?$).

A. 20

C. 39

B. 741

D. 780

4. Which story problem can be solved by finding the value of this expression?

A. Amy has to complete 4 science assignments in a month. She plans to complete $\frac{1}{3}$ of an assignment every day. How many days will she take to complete all the assignments?

B. Dave runs 4 laps around a playground. Each lap is $\frac{1}{3}$ of a mile. What is the distance Dave runs?

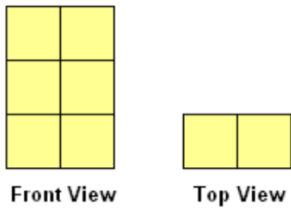
C. William buys 4 dozen eggs from a grocery store. While returning home, he drops and breaks $\frac{1}{3}$ of the eggs. How many dozens of eggs does William drop and break?

D. Rick had a 4-pound bag of dog food. He put $\frac{1}{3}$ of the bag into a container. How many pounds of dog food did he put into the container?

5. Which of the following is true about the expression to the right? $(1,340 \times 231) - 60$
- A. The given expression is 60 times more than $(1,340 \times 231)$.
 - B. The given expression is one-sixtieth as large as $(1,340 \times 231)$.
 - C. The given expression is 60 less than $(1,340 \times 231)$.
 - D. The given expression is 60 times as large as $(1,340 \times 231)$.

6. The figures below show the front view and top view of a rectangular prism that is packed with unit cubes.

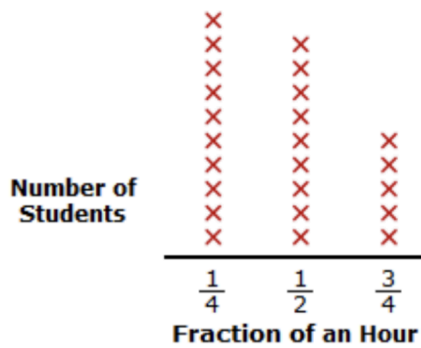
What is the volume of the rectangular prism if there are no gaps or overlaps in the unit cubes?



- A. 6 cubic units
- B. 10 cubic units
- C. 12 cubic units
- D. 8 cubic units

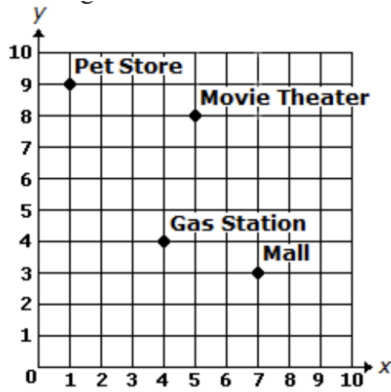
7. Mrs. Winter's students reported the amount of time they spent reading last night. The line plot shows the fraction of an hour each student spent reading. How much total time did Mrs. Winter's students spend reading last night?

Time Spent Reading



- A. $10\frac{3}{4}$ hours
- B. $10\frac{1}{4}$ hours
- C. $10\frac{1}{2}$ hours
- D. $11\frac{1}{4}$ hours

8. The grid below shows the location of 4 places in a city.



Which ordered pair best represents the point on the graph labeled "Movie Theater"?

- A. (8, 5)
- B. (4, 8)
- C. (8, 4)
- D. (5, 8)

9. Chris is covering his window with a mosquito repellent net. What information does Chris need?

- A. the volume of the window and the volume of the mosquito repellent net
- B. the perimeter of the window and the perimeter of the mosquito repellent net
- C. the area of the window and the area of the mosquito repellent net

10. Amy and her friend shared a liter of juice. Amy drank $\frac{1}{4}$ of the juice, and her friend drank $\frac{1}{5}$ of the juice. How much juice did they drink altogether?

- A. $\frac{1}{20}$ of a liter
- B. $\frac{9}{20}$ of a liter
- C. $\frac{2}{9}$ of a liter
- D. $\frac{2}{3}$ of a liter

11. Round to the nearest tenth. 6.944

- A. 6.9

B. 6

C. 6.94

D. 6.8

12. Select the correct symbol. $0.493 ? 0.62$

B. <

A. >

C. =

13. Which of the following expressions matches the statement to the right? *Multiply 13 and 8. Then, subtract 5.*

A. $13 \times (8 - 5)$

C. $13 \times 5 - 8$

B. $13 \times (5 - 8)$

D. $13 \times 8 - 5$

14. *Divide 29 by 5. Then, subtract 9.*

Which of the following expressions matches the statement above?

A. $29 \div (9 - 5)$

C. $5 \div 29 - 9$

B. $29 \div 5 - 9$

D. $29 \div (5 - 9)$

15. Roy purchases an ice chest to store his drinks. The amount of space in the ice chest is known as its _____.

A. Area

B. Volume

C. Perimeter

16. Use the correct order of operations to solve the expression below.

$$25 - 3 \times (2 + 2) + 8 - 7$$

A. 89

C. 12

B. 14

D. 22

17. Wanda needs to buy packages of colored paper. Each package contains 220 pieces of paper. If she buys 6 packages, how many pieces of paper will she buy?

A. 1,320

C. 1,260

B. 1,420

D. 1,200

18. How is the following decimal number read?

3.002

A. three and two tenths

B. three and two hundredths

C. three and twenty hundredths

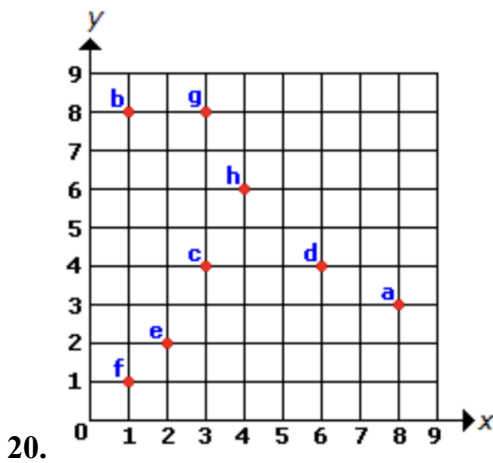
D. three and two thousandths

19. Grace is constructing a path in her garden. What information does Grace need?

A. the area of the path and the area of the garden

B. the perimeter of the path and the perimeter of the garden

C. the volume of the path and the volume of the garden



What are the coordinates for point d?

A. (6 , 4)

B. (1 , 8)

C. (7 , 5)

D. (4 , 6)