

Summer Work for Incoming **Grade 6** in 2024-2025

1. Answer all the questions in the space provided. Use separate loose leaf paper to do any long calculations. All work must be shown for each answer.
2. During the summer, review multiplication tables up to 12 X 12. Memorization is necessary.
3. Summer work is due on the first day of school in September.
4. Write your name on each sheet including loose leaf.
5. Enjoy your summer!

Name _____

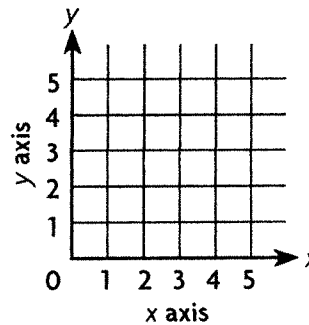
Note: Students will be expected to write in cursive. Points will be taken off of quizzes and tests if students do not write in cursive. Please practice cursive over the summer.

Choose the correct answer.

- Dan's science magazine has a mass of 256.674 grams. What is the mass of his magazine rounded to the nearest tenth?
 - 257 grams
 - 256.6 grams
 - 256.7 grams
 - 256.67 grams
- The middle school is 2.72 kilometers from Marsha's house and 1.54 kilometers from Ryan's house. How much farther does Marsha live from the middle school than Ryan?
 - 11.18 kilometers
 - 1.28 kilometers
 - 1.18 kilometers
 - 0.18 kilometer
- Rico's backpack weighed 3.6 pounds. Then he added his school books which weighed an additional 24.76 pounds. How much did Rico's backpack weigh with his school books?
 - 60.76 pounds
 - 28.36 pounds
 - 27.82 pounds
 - 25.12 pounds
- Lester and Kari are playing a number pattern game. Kari wrote the following pattern.
45.5, 49, 52.5, _____, 59.5
What is the unknown number in the pattern Kari wrote?
 - 55.5
 - 56
 - 56.5
 - 58
- Laura rode her bike for $3\frac{5}{8}$ hours on Saturday and for $4\frac{1}{4}$ hours on Sunday. Which is the best estimate of the time Laura spent riding her bike on Saturday and Sunday?
 - about 9 hours
 - about 8 hours
 - about 7 hours
 - about 6 hours



6. Brent has a piece of rope that is $6\frac{5}{6}$ feet long. He uses $4\frac{1}{3}$ feet of the rope to hang a tire swing. How much rope does he have left?
- A** $3\frac{5}{6}$ feet
B $3\frac{1}{2}$ feet
C $2\frac{2}{3}$ feet
D $2\frac{1}{2}$ feet
7. John has 3 bundles of wood weighing a total of $35\frac{3}{4}$ pounds. Two of the bundles weigh $12\frac{3}{8}$ pounds and $8\frac{1}{2}$ pounds. How much does the third bundle weigh?
- A** $14\frac{7}{8}$ pounds
B $18\frac{7}{8}$ pounds
C $23\frac{3}{8}$ pounds
D $27\frac{1}{4}$ pounds
8. Maria practiced for her piano recital each day for three days. The first day she practiced for $\frac{3}{4}$ hour, the second day she practiced for $1\frac{1}{2}$ hours, and the third day she practiced for $2\frac{1}{4}$ hours. By how much did she increase the time she practiced each day?
- A** $\frac{1}{4}$ hour
B $\frac{1}{2}$ hour
C $\frac{3}{4}$ hour
D $\frac{7}{8}$ hour
9. A fruit salad recipe calls for $\frac{3}{4}$ pound of apples and $\frac{2}{5}$ pound of dates. What is the least common denominator of the fractions?
- A** 16
B 20
C 24
D 25
10. On a coordinate grid, Ming's house is located 2 blocks to the right and 5 blocks up from (0, 0). Joe's house is located 3 blocks to the right and 2 blocks down from Ming's house. What ordered pair describes the location of Joe's house?



- A** (3, 5)
B (3, 2)
C (5, 3)
D (4, 3)

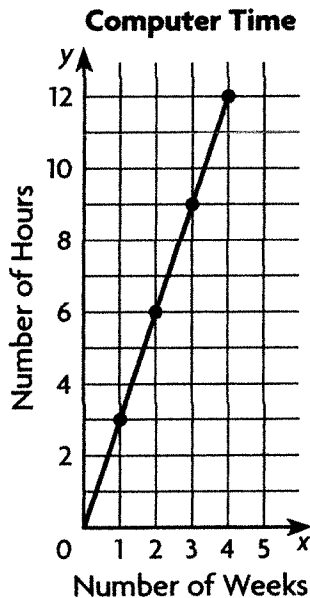
GO ON 

11. What is the unknown number in Sequence 2 in the chart?

Sequence Number	1	2	3	5	7
Sequence 1	7	14	21	35	49
Sequence 2	21	42	63	105	?

- (A) 126
- (B) 127
- (C) 147
- (D) 154

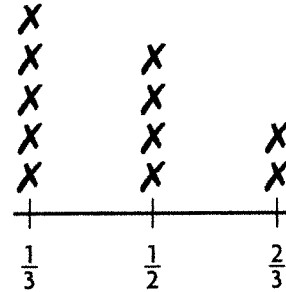
12. The graph shows the relationship between the number of weeks and the number of hours spent on the computer.



What rule relates the number of weeks to the number of hours of computer time?

- (A) Multiply the number of weeks by 3.
- (B) Multiply the number of weeks by 2.
- (C) Multiply the number of weeks by $2\frac{1}{2}$.
- (D) Multiply the number of hours by 3.

13. Otis is cutting a long piece of wood trim into smaller pieces for an art project. The line plot shows the length of the smaller pieces of wood.



Length of Wood Pieces (in feet)

How many pieces of wood will be at least $\frac{1}{2}$ foot in length?

- (A) 9
- (B) 7
- (C) 6
- (D) 4

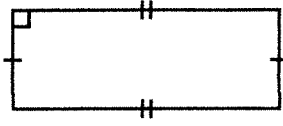
14. Adela is buying a DVD player on layaway for \$210. If she makes a down payment of \$30 and pays \$15 each week, how many weeks will it take Adela to pay for the DVD player?

- (A) 10
- (B) 12
- (C) 16
- (D) 14



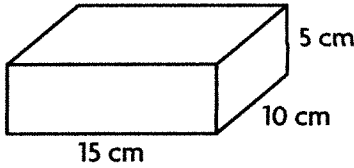
Name _____

15. Tony drew a picture of his vegetable garden.



What type of polygon is Tony's vegetable garden?

- (A) rectangle
 - (B) rhombus
 - (C) square
 - (D) triangle
16. Kevin made a jewelry box with the dimensions shown.



What is the volume of the jewelry box?

- (A) 750 cubic centimeters
 - (B) 225 cubic centimeters
 - (C) 150 cubic centimeters
 - (D) 75 cubic centimeters
17. The bricks Mr. Johnson used to make his patio are shaped like regular octagons. Which of the following describes a regular octagon?
- (A) a figure with 6 sides and 6 angles that are not congruent
 - (B) a figure with 6 congruent sides and 6 congruent angles
 - (C) a figure with 8 congruent sides and 8 congruent angles
 - (D) a figure with 5 congruent sides and 5 congruent angles

18. A shipping carton in the shape of a rectangular prism has a volume of 756 cubic inches. The base area of the shipping carton is 42 square inches. What is the height of the shipping carton?

- (A) 15 inches
 - (B) 18 inches
 - (C) 19 inches
 - (D) 28 inches
19. The Ceramic Tile Company uses 32 tiles for each counter top it makes. About how many counter tops can it make from its last shipment of 1,486 tiles?
- (A) 65
 - (B) 60
 - (C) 50
 - (D) 40

GO ON 

20. The swimming instructor has a list of 152 students who have signed up for swimming lessons. The swimming instructor can register 12 students in each class. What is the least number of classes needed for all the students to be registered in a class?
- (A) 12
(B) 13
(C) 14
(D) 15
21. Kayla has a T-shirt store. She sold three times as many white T-shirts as blue T-shirts. She sold a total of 48 T-shirts. How many white T-shirts did Kayla sell?
- (A) 46
(B) 36
(C) 24
(D) 12
22. The owner of a music store received a shipment of 1,532 CDs. The CDs came in 37 boxes. The same number of CDs were in 36 of the boxes. How many CDs were in the remaining box?
- (A) 2
(B) 10
(C) 20
(D) 41
23. Miguel has 48 coins. Of the 48 coins, $\frac{5}{8}$ are dimes. How many of the coins are dimes?
- (A) 30
(B) 26
(C) 20
(D) 18
24. Dominic spent $2\frac{3}{4}$ hours on his art project. Rachel worked $1\frac{1}{3}$ times as long on her art project as Dominic worked. For how many hours did Rachel work on her art project?
- (A) $2\frac{2}{3}$ hours
(B) 3 hours
(C) $3\frac{2}{3}$ hours
(D) $4\frac{7}{12}$ hours
25. Ariana has $\frac{2}{3}$ quart of milk. She uses $\frac{3}{4}$ of it in a cookie recipe. How much milk did Ariana use in her recipe?
- (A) $\frac{1}{8}$ quart
(B) $\frac{1}{4}$ quart
(C) $\frac{1}{3}$ quart
(D) $\frac{1}{2}$ quart