

2018
MATH SUPER BOWL
Fifth Grade
Individual Test

25 minutes - No Calculators

Answers must be recorded on the scantron to be counted.

Name _____ School _____

5th Grade Math Super Bowl Test 2018

1. Each batch of chicken soup uses $\frac{1}{9}$ pound of celery. How many batches can be made with $\frac{2}{3}$ pound of celery?

A. 6
B. 9
C. 3
D. 4

2. There are 625 Safeway stores in California. If each store needs 108 crates of milk, how much milk is that in all?

A. 733 crates
B. 12,050 crates
C. 62,500 crates
D. 67,500 crates

3. The amount of paper teachers used was recorded throughout the school year. Mrs. Morgan used $\frac{2}{3}$ of a ream of paper, Mr. Sisk used $\frac{5}{6}$ of a ream, and Mrs. Grace used $\frac{9}{12}$ of a ream. How much paper was used by these three teachers?

A. $2\frac{1}{4}$ reams
B. 2 reams
C. $1\frac{3}{8}$ reams
D. $1\frac{1}{4}$ reams

4. Ana is going to the bowling alley to bowl with her friends. It costs \$2.50 for the first game and then \$4.75 for any 2 games after that. How much would it cost Ana to play 7 games?

A. \$15.00
B. \$17.50
C. \$16.75
D. \$14.00

5. Each group of 23 campers at a summer camp has 2 counselors assigned to their group. 184 campers are attending this summer. How many counselors are needed?

- A. 23
- B. 4
- C. 8
- D. 16

6. Scout's family needed to pack dog food for a 6 day trip. Scout eats twice a day. Scout is given $1\frac{1}{3}$ cups of dog food when she is fed. How much dog food should the family pack for Scout?

- A. 12 cups
- B. 16 cups
- C. 8 cups
- D. $6\frac{1}{3}$ cups

7. The Mega store ordered 4 crates of glasses. Each crate holds 64 glasses. If they sell each glass for \$2.45, how much money will they collect?

- A. \$156.80
- B. \$166.60
- C. \$627.20
- D. \$662.45

8. The pet store sold 653 fish last year. The retail cost of each fish is \$3.46. The pet store makes 50% of the cost as profit. How much profit did the pet store make selling fish last year?

- A. \$1,129.69
- B. \$2,129.69
- C. \$2,259.38
- D. \$2,593.80

9. Raul bought 2 ounces of jelly beans and 3 ounces of gumdrops for a total of \$3.45. If the jelly beans and the gumdrops cost the same amount per ounce, how much does it cost to buy 1 ounce of jelly beans?

- A. 24¢
- B. 6¢
- C. 18¢
- D. 69¢

10. The Beach Shack rents stand up paddle boards for a fee of \$15 plus \$3 per hour rented. Which equation shows the relationship between the number of hours a stand up paddle board is rented and the total cost of the rental?

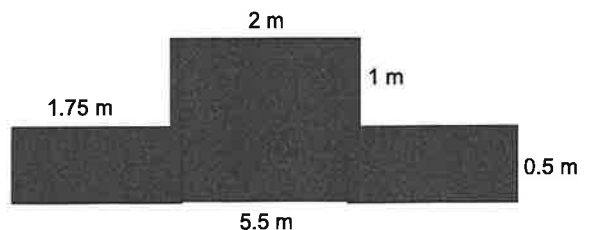
- A. $y = 3x$
- B. $y = 3x + 15$
- C. $y = 15x$
- D. $y = 15x 3$

11. Sherry rides her bike to the library. She leaves home and rides 2 miles north and goes by the fire station. She takes a right, going straight east, and rides $2\frac{3}{4}$ miles to the ice cream store. From there she takes a left, going north again and rides 1.5 miles to her friend's house. She and her friend then take a left, heading straight west, and ride .5 miles where they stop at the library. How many miles does Sherry ride from where she started to the library?

- A. $6\frac{3}{4}$ miles
- B. $5\frac{1}{4}$ miles
- C. 6 miles
- D. $6\frac{1}{4}$ miles

12. Sebastian and his dad are making a fort. They use the diagram shown as a template for the side of the fort. What is the area of the template?

- A. 10.75 m^2
- B. 4.75 m^2
- C. 11.75 m^2
- D. 20.5 m^2



13. In one week, the number of decals applied on bicycles is 8 times the number of paint jobs done in the bicycle shop. Last week there were 168 decals applied. How many paint jobs were done?

- A. 160
- B. 21
- C. 1344
- D. 24

14. A rectangular box has a height of 15 centimeters, the length of 24 centimeters and the width of 30 centimeters. What is the total volume of the box in meters?

- A. 360 m^3
- B. 108 m^3
- C. 69 m^3
- D. 25 m^3

15. There are 4 red marbles in Ari's pocket. There are 10 more purple marbles than red marbles in his pocket. In Ari's pocket, there are also 6 more blue marbles than red marbles. How many marbles are there in all?

- A. 34
- B. 28
- C. 42
- D. 20

16. Esteban's family got take out food for dinner. They bought 2 tacos that were \$2.49 each, a burrito for \$5.25 and 2 sodas for \$1.15 each. The tax was \$3.40. How much change did they get if they gave the cashier 2 ten dollar bills?

- A. \$15.93
- B. \$12.29
- C. \$ 7.71
- D. \$4.07

17. Felix can buy bottles of Vitamin Water in packages of 6 for \$16.50 or in packages of 4 for \$13.64. How much money does he save by buying 48 bottles of water at the better price?

- A. \$2.86
- B. \$22.88
- C. \$31.68
- D. \$132.00

18. Fernando works at a computer place. He charges \$128 for every computer he fixes. During 2017, Fernando fixed 106 computers. The year before he fixed 38 fewer computers than he did in 2017. How much total money did Fernando make fixing computers during the two years?

- A. \$8,705
- B. \$13,568
- C. \$18,468
- D. \$22,272

19. Ellie drives a bus that takes tourists around Santa Barbara. Morning shift tours are reserved for parties of 12 people but the afternoon tours can only have 8 people. If the total number of tourists in the morning tours is the same as the total number of tourists in the afternoon, what is the minimum number of tourists Ellie drives in each shift?

- A. 4
- B. 24
- C. 36
- D. 48

20. The coach was recording times during the after school running club. Thomas's time was faster than Jeffe's; Ben was faster than Diego. Thomas was not faster than Diego. Who was the fastest runner?

- A. Thomas
- B. Jeffe
- C. Ben
- D. Diego

21. A large patio brick weighs $4\frac{3}{8}$ pounds. A small patio brick weighs $2\frac{1}{8}$ pounds. How much more does the large brick weigh?

- A. $2\frac{2}{5}$ pounds
- B. $2\frac{1}{24}$ pounds
- C. $1\frac{5}{8}$ pounds
- D. $1\frac{1}{2}$ pounds

22. Camila made four necklaces. The first necklace she made had 11 beads. The second necklace had 9 beads. The third necklace had 2 less beads than the second necklace. On the last necklace she put 8 beads more than on the first necklace. How many beads did she use in all?

- A. 68
- B. 30
- C. 46
- D. 12

23. The campers in Cabin A drank $8\frac{5}{12}$ gallons of water one day at summer camp. The campers in Cabin B drank only $6\frac{7}{12}$ gallons of water. How much less water did campers in Cabin B drink than those in Cabin A?

- A. $2\frac{1}{6}$ gallons
- B. $1\frac{5}{6}$ gallons
- C. $1\frac{1}{2}$ gallons
- D. $2\frac{5}{6}$ gallons

24. Two banners were going to go on the wall of a classroom. They needed to be measured to see if they would both fit end to end. One banner was $6\frac{5}{6}$ feet long and the other was $5\frac{4}{6}$ feet long. The wall is 13 feet in length. About how much wall space would be left uncovered if both banners were hung end to end on the wall?

- A. 6 inches
- B. 8 inches
- C. 2 inches
- D. 1 foot

25. Catalina and Sara both have an after school job. Catalina earns \$10.50 an hour while Sara earns \$11.75 an hour. If they both work two 8 hour shifts one week, how much more money does Sara earn than Catalina?

- A. \$10.00
- B. \$21.25
- C. \$20.00
- D. \$11.75

Congratulations! You've completed Part I of the 2018 Math Superbowl! Do NOT turn in your test at this time. Quietly stay seated until the 25 minutes are up. You are welcome to check your answers. Please do not talk. Any talking may be seen as cheating. Only answers on the scantron will be counted.

5th Grade Answer Key 2018

1. A
2. D
3. A
4. C
5. D
6. B
7. C
8. A
9. D
10. B
11. A
12. B
13. B
14. B
15. B
16. D
17. C
18. D
19. B
20. C
21. B
22. C
23. B
24. A
25. C