

2018
MATH SUPER BOWL
Sixth Grade
Individual Test

25 minutes – No Calculators

Answers must be recorded on the scantron to be counted.

Name _____ School _____

6th Grade Math Super Bowl Test 2018

1. Bridgette was working on a beaded necklace. She spent $\frac{2}{3}$ of her money to buy beads and $\frac{1}{4}$ of the remaining money to buy the string and clasp. What part of her original amount did she spend on the string and clasp?

- A. $\frac{1}{6}$
- B. $\frac{2}{3}$
- C. $\frac{1}{12}$
- D. $\frac{1}{8}$

2. Juanita got new clothes for the beginning of school. She got 4 types of pants and 5 different tops. How many outfit choices can she make with her new clothes?

- A. 9
- B. 45
- C. 20
- D. 24

3. At the ball game yesterday, $37\frac{1}{2}\%$ of the spectators bought a hot dog. If 582 spectators bought hot dogs, how many spectators were at the ball game?

- A. 1552 people
- B. 619 people
- C. 1407 people
- D. 8921 people

4. Alfredo can lay 54 tiles in 3 hours. If he works on laying tiles for $7\frac{1}{2}$ hours how many tiles can he lay?

- A. 255 stepping tiles
- B. 135 stepping tiles
- C. 126 stepping tiles
- D. 144 stepping tiles

5. The florist can order roses in bunches of one dozen and lilies in bunches of 8. Last month she ordered the same number of roses as lilies. Which choice below is possible?

- A. 16 of each
- B. 32 of each
- C. 84 of each
- D. 72 of each

6. Jeremy and his friends went to a professional soccer game on Thursday afternoon. It took 30 minutes to drive to the soccer stadium. They arrived at the stadium 45 minutes before the game started. Once it started, the game lasted for 1 hour and 45 minutes and ended at 2:45 P.M. What time did Jeremy and his friends leave for the soccer game?

- A. 11:45 am
- B. 12:00 pm
- C. 12:30 pm
- D. 12:45 pm

7. Michelle sold 27 cups of lemonade in three days. On the second day she sold 1 more than on the first. On the third day she sold 5 more than on the first. How many cups of lemonade did she sell on the third day?

- A. 7 cups
- B. 12 cups
- C. 22 cups
- D. 6 cups

8. Benito bought fabric for the school play. He bought $8\frac{3}{4}$ yards of red fabric, $2\frac{1}{2}$ yards of blue, $5\frac{1}{3}$ yards of green and $7\frac{3}{4}$ yards of yellow. How many yards of fabric did Benito buy in all?

- A. $19\frac{1}{3}$ yards
- B. 22 yards
- C. $24\frac{1}{3}$ yards
- D. $26\frac{1}{3}$ yards

9. Four friends were working on their homework together. By the end of the evening, each girl had completed a different amount of her homework. Alicia finished $\frac{4}{9}$, Clara finished $\frac{5}{7}$, Tamara $\frac{3}{4}$, and Irma completed $\frac{1}{2}$ of her homework. Which girl completed the most of her homework?

- A. Alicia
- B. Clara
- C. Tamara
- D. Irma

10. The Tobia family was driving to visit their oldest child in college. Their odometer read 200,397.3miles when they started their trip and 200,606.5miles when they got to the college. How many total miles did they travel to and from the college?

- A. 790.8 miles
- B. 504.6 miles
- C. 209.2 miles
- D. 418.4 miles

11. The Blairs bought furniture which cost \$1850. The total after tax was \$2007.25. What was the tax rate?

- A. 7%
- B. 8.5%
- C. 7.5
- D. 8%

12. Steve was buying candy for his classmates. He bought twice as many chocolate bars as bags of M&M's. If he bought 2 suckers and the number of suckers was $\frac{1}{3}$ the number of bags of M&M's, how many chocolate bars did he buy?

- A. 4
- B. 6
- C. 12
- D. 14

13. Megan broke open her piggy bank and found \$1.75 in dimes and quarters. If one of the dimes were a quarter, she would have \$1.90. How many dimes and how many quarters were in Megan's piggy bank?

- A. 6 quarters and 4 dimes
- B. 10 dimes and 3 quarters
- C. 9 dimes 4 quarters
- D. 5 dimes 6 quarters

14. What is the difference for the price of one bottle of tea if 3 bottles are sold for \$5.16 or 8 bottles of tea are sold for \$9.52

- A. \$1.72
- B. \$1.19
- C. \$0.53
- D. \$0.58

15. Tom earns \$110,000 at his job as an engineer. This year he received a 4.2% raise. How much was Tom's raise?

- A. \$4,200
- B. \$1,142
- C. \$1,442
- D. \$4,620

16. At the Olympics $\frac{1}{8}$ of the athletes that competed on Monday were skiers. Of these, $\frac{2}{3}$ were women. What part of the total number of competitors were women skiers?

- A. $\frac{1}{6}$
- B. $\frac{1}{12}$
- C. $\frac{1}{5}$
- D. $\frac{1}{8}$

17. Nicole and Connor were baking treats for the bake sale. Nicole used $1\frac{7}{8}$ times as much sugar as Connor. If Connor used 5 cups of sugar, how many cups of sugar did Nicole use?

- A. $5\frac{5}{8}$
- B. $5\frac{7}{8}$
- C. $6\frac{3}{8}$
- D. $9\frac{3}{8}$

18. Kevin had earned 165 points in his science class by mid-semester. At the end of the semester his points were 12% higher. How many points did Kevin have at the end of the semester?

- A. 145.2 points
- B. 177 points
- C. 285 points
- D. 184.8 points

19. On a number line, what is the difference between -61 and 45?

- A. 106
- B. 16
- C. 26
- D. 56

20. The ratio between the height of two buildings is 3:2. If the taller of the two buildings is 57 feet, how tall is the second building?

- A. 51 feet
- B. 84 feet
- C. 38 feet
- D. 25 feet

21. A bookshelf is 9 feet wide. Books fill $\frac{1}{6}$ of the shelf. Each book is $\frac{3}{5}$ inch thick. How many books are on the shelf?

- A. 23 books
- B. 30 books
- C. 35 books
- D. 40 books

22. A restaurant has 4 appetizers, 6 entrees, and 3 salads. How many different ways can a person order a meal that includes an appetizer, an entree, and a salad?

- A. 13
- B. 24
- C. 56
- D. 72

23. Pablo took his car in for a tune-up. Before the tune-up his car was getting 20 miles to the gallon. After the tune-up, his car got 24 miles to the gallon. What is the percent of the increase?

- A. 20%
- B. 24%
- C. 18%
- D. 30%

24. Maria was selling photographs at the fair. The first hour she sold two 5"x7" photographs and three 8"x10" photographs for a total of \$26. Later a customer bought two 8"x10" photographs and paid \$12. All 5"x7" photos were priced the same. All 8"x10" photos were priced the same. How much did a 5"x7" photo cost?

- A. \$12
- B. \$8
- C. \$4
- D. \$2

25. Grant School District had 400 elementary school students in 1990 and 450 students in 2000. By 2010, the number of elementary students had increased 50% over the 1990 number. How many more elementary school students did the school district have in 2010 than in 2000?

- A. 300 students
- B. 150 students
- C. 400 students
- D. 250 students

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.

6th Grade answer Key '18

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