

2018  
MATH SUPER BOWL  
Fourth Grade  
Individual Test

25 minutes – No Calculators

*Answers must be recorded on the scantron to be counted.*

Name \_\_\_\_\_

School \_\_\_\_\_

4th Grade Math Super Bowl 2018

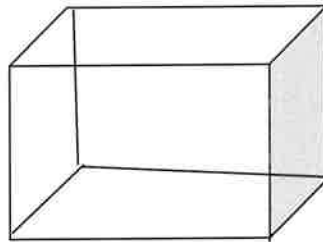
1. The Girl Scouts ordered 6 boxes of mint cookies and 3 boxes of peanut butter cookies. There are 16 cookies in each box. How many total cookies did they order?
  - A. 25 cookies
  - B. 48 cookies
  - C. 96 cookies
  - D. 144 cookies
  
2. Mr. Blase grew tomatoes in his yard. On Monday he saw a total of 35 tomatoes in his yard. On Tuesday, he picked 4 tomatoes. On Thursday he picked another 8 tomatoes. And on Saturday he picked only 3 tomatoes. What fraction of the tomatoes were picked from the yard?
  - A.  $\frac{4}{35}$
  - B.  $\frac{3}{7}$
  - C.  $\frac{8}{35}$
  - D.  $\frac{7}{3}$
  
3. Mrs. Perez is trying to choose a type of restaurant to take her family to for tonight's dinner. She is considering Chinese, Italian, and Mexican restaurants. She has 8 children.  $\frac{1}{4}$  of her children pick Italian food. Three of them pick Mexican food. The rest pick Chinese food. How many children pick Chinese food?
  - A. 8 children
  - B. 6 children
  - C. 4 children
  - D. 3 children
  
4. Kobe is a professional basketball player. He can make 48 baskets in 4 minutes. How many minutes would it take Kobe to make 72 baskets?
  - A. 5 minutes
  - B. 7 minutes
  - C. 6 minutes
  - D. 8 minutes

5. Four friends bought a pizza for an afternoon snack. They each contributed what money they had. Jana gave \$3.50, Raul gave \$2.65, Becca gave \$2.00 and Brian gave \$2.35. If they each get a piece of the pizza, which answer shows how big a piece Jana should get based on the amount of money she gave?

- A. Jana gets  $\frac{1}{3}$  of the pizza
- B. Jana gets  $\frac{2}{3}$  of the pizza
- C. Jana gets  $\frac{3}{5}$  of the pizza
- D. Jana gets  $\frac{5}{7}$  of the pizza

6. Look at the rectangular prism. Which statement is **FALSE**?

- A. The figure has exactly 12 sides
- B. The figure has exactly 6 faces
- C. The figure has exactly 12 edges
- D. The figure has exactly 8 vertices



7. The 4th grade class is selling magazine subscriptions to earn money for Outdoor School. They earn \$4 for every subscription they sell. So far, they have earned \$212 of the \$260 they need. How many more subscriptions do the students still need to sell?

- A. 28
- B. 12
- C. 4
- D. 7

8. Mr. Rodriguez, the summer librarian, gives 2 gold stars to every student who reads 50 pages. If  $W$  stands for the number of pages read, which expression is equal to the total number of gold stars awarded?

- A.  $50 - W =$
- B.  $(W \div 50) \times 2 =$
- C.  $2 \div 50 =$
- D.  $W + 2 =$

9. Suzi spent \$24.50 on a new blouse, \$62.75 on a new jacket, \$4.50 for some socks, \$50.45 for a new pair of shoes, and a pair of jeans. Altogether she paid \$180.70. How much did she pay for the pair of jeans?

- A. \$180.70
- B. \$142.20
- C. \$38.50
- D. \$75.00

10. Mrs. Marsh knows that the perimeter of her classroom floor is 180 feet. If the length of the floor is 50 feet, what is its width?

- A. 100 feet
- B. 130 feet
- C. 80 feet
- D. 40 feet

11. A sponsor paid \$10.00 for each mile walked at a fundraiser for the school band. If there are 95 contestants in the walk-a-thon and each walks 5 miles, then how much money will be raised altogether?

- A. \$4,750
- B. \$47,500
- C. \$95,000
- D. \$950

12. Amy and Jo are comparing the number of steps they take each day. One day Amy walked 459 steps. At that time, Jo had 324 more steps than Amy did. How many more steps does Jo have to take to reach her goal of 1,700 steps?

- A. 917 steps
- B. 783 steps
- C. 1,376 steps
- D. 1,241 steps

13. A pulley can move 545 feet of rope per minute. How many feet of rope can the pulley move in 13 minutes?

- A. 1,845 feet
- B. 54 feet
- C. 675 feet
- D. 7,085 feet

14. Alana owns two dogs. Each day, one dog eats  $\frac{1}{2}$  of a scoop of dog food and the other dog eats  $\frac{1}{6}$  of a scoop. Together, how much dog food do the two dogs eat each day?

- A.  $\frac{1}{8}$  scoop
- B.  $\frac{2}{3}$  scoop
- C.  $\frac{2}{5}$  scoop
- D.  $\frac{1}{4}$  scoop

15. Jeff works at the 24 hour Super Mart. Jeff's shift started at 7:15 am and he worked for 10 hours and 45 minutes. What time did Jeff's shift end?

- A. 5:15 pm
- B. 8:15 pm
- C. 9:00 pm
- D. 6:00 pm

16. Susana was making trail mix for an upcoming hike. She put  $\frac{1}{3}$  cup of peanuts,  $\frac{1}{4}$  cup of cashews, and  $\frac{1}{6}$  cup of walnuts. How many cups of nuts did Susana add to her trail mix?

- A.  $\frac{1}{13}$  cup
- B.  $\frac{7}{8}$  cup
- C.  $\frac{3}{4}$  cup
- D.  $\frac{4}{9}$  cup

17. The students at Maria's school were collecting glass bottle for recycling. Each student collected 4 boxes of glass bottles. They put 48 bottles in each box. How many bottles did the school collect if there were 8 students collecting bottles?

- A. 1,536 bottles
- B. 192 bottles
- C. 576 bottles
- D. 2,008 bottles

18. Matthew stopped at Frostees to treat himself to either a chocolate or vanilla shake. Matthew can choose peanut butter cups, Butterfinger, or Snickers to be mixed into his milkshake. He only wants to have one thing mixed into his shake. How many different combinations can he order?

- A. 6
- B. 7
- C. 12
- D. 18

19. Mrs. Strikes had a bag of buttons for an art project. There were 13 blue buttons, 24 red buttons, 27 green buttons, and 8 white buttons in the bag. What fraction of the total buttons are white buttons?

- A.  $\frac{1}{8}$
- B.  $\frac{13}{72}$
- C.  $\frac{1}{9}$
- D.  $\frac{24}{72}$

20. Teresa exercised for one hour at the gym. How many seconds did Teresa exercise?

- A. 900 seconds
- B. 1200 seconds
- C. 360 seconds
- D. 3600 seconds

21. Virginia is making beaded necklaces to sell at the Farmer's Market. She had 158 beads. Her sister gave her 190 more. She wants to have 560 beads to make necklaces. How many more beads does she need?

- A. 418 beads
- B. 212 beads
- C. 70 beads
- D. 348 beads

22. Laurie and her sister can buy plane tickets to Hawaii for \$622 each. If they reserve their seats three weeks in advance and fly on a weekday, each ticket will only cost \$548. Together, how much will they save at the lower rate?

- A. \$52
- B. \$74
- C. \$148
- D. \$48

23. Jacob was reading a 210 page book. He read 10 pages the first night, 12 pages the second night, 14 pages the third night, and 16 pages on the fourth night. If this pattern continues, how many pages will Jacob read on the eighth night?

- A. 52 pages
- B. 32 pages
- C. 24 pages
- D. 18 pages

24. How will the value of 41,673,589 change if the number 1 is replaced by a 6?

- A. The ten-millions place will increase by 50,000
- B. The millions place will increase by 5
- C. The millions place will increase by 5,000,000
- D. The ten-millions place will increase by 60,000

25. Barbi and her four friends went out for dessert. They each ordered a piece of pie. Two of the types of pies were apple and chocolate creme. Everyone ordered a different kind of pie. Who had the blueberry pie?

- 1. Mala and Ryan are allergic to dairy which means they could not eat the banana crème or chocolate crème.
- 2. Sara and David don't like fruit.
- 3. David did not have banana crème.
- 4. The person who ate the blueberry pie was not Ryan.
- 5. Sara ate the Pecan pie.

- A. Mala
- B. Ryan
- C. David
- D. Barbi

**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.**



# 2018 Math Superbowl Answers

## 4th grade answer key 2018

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