

## MATH 4 TEST 1

Name \_\_\_\_\_ Date \_\_\_\_\_

**Directions: Complete as many problems as you can in the 30 minutes allotted to you. No calculators!**

1. For the following fractions, which has the largest numerator?  $\frac{5}{11}, \frac{6}{5}, \frac{4}{7}, \frac{7}{9}, \frac{3}{8}$   
(A)  $\frac{7}{9}$  (B)  $\frac{6}{5}$  (C)  $\frac{4}{7}$  (D)  $\frac{5}{11}$  (E)  $\frac{3}{8}$
2. For 23,754, what place value is the 3 in?  
(A) hundred thousands (B) hundreds (C) thousands (D) ten thousands (E) tens
3. A school has 756 students and 123 teachers. How many people are there in all?  
(A) 633 (B) 752 (C) 773 (D) 879 (E) 931
4. 2345 is divisible by what number?  
(A) 2 (B) 5 (C) 9 (D) 15 (E) 45
5. Which has the largest product?  
(A)  $2 \times 3 \times 4$  (B)  $2 \times 3 \times 5$  (C)  $2 \times 3 \times 6$  (D)  $2 \times 3 \times 7$  (E)  $2 \times 3 \times 8$
6. Write the numbers for eight thousand six hundred eight.  
(A) 868 (B) 8,068 (C) 8,608 (D) 8,680 (E) 80,608
7. What is the smallest number that can be written with the following digits: 2, 5, 7, 3 ?  
(A) 2,375 (B) 2,537 (C) 2,573 (D) 7,235 (E) 2,357
8. Which is an odd number?  
(A) 3,196 (B) 5,992 (C) 7,350 (D) 8,625 (E) 9,714
9. Which sum equals 27?  
(A)  $9 + 3$  (B)  $19 + 9$  (C)  $16 + 11$  (D)  $13 + 15$  (E)  $17 + 9$
10. If you bought 3 tootsie rolls for 4 cents each, and 5 jolly ranchers for 6 cents each, how much money did you spend in all?  
(A) 18 cents (B) 23 cents (C) 32 cents (D) 37 cents (E) 42 cents
11. If there were 3 dozen eggs before Justin ate 2, how many eggs are left?  
(A) 1 (B) 13 (C) 28 (D) 34 (E) 36
12. For 35,673,482,159, multiply the digits in the hundreds place and ten millions place.  
(A) 3 (B) 5 (C) 7 (D) 15 (E) 25
13. If September 17th is on a Monday, what date was the previous Thursday on?  
(A) September 12 (B) September 13 (C) September 14 (D) September 15 (E) September 16

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14. What is the next number in the following sequence: 42, 37, 32, 27, \_\_\_?  
(A) 19 (B) 21 (C) 22 (D) 23 (E) 24
15. If there are twenty-one weeks left in a year, how many have passed?  
(A) 21 (B) 20 (C) 30 (D) 31 (E) 32
16. Which statement has the smallest sum?  
(A)  $43+58+68+94$  (B)  $43+58+68+95$  (C)  $43+59+68+94$   
(D)  $44+58+68+94$  (E)  $43+58+69+94$
17. Which of the following represents the smallest amount of money?  
(A) 9 nickels, 5 quarters, 8 pennies (B) 4 dimes, 5 quarters, 8 pennies (C) 9 nickels, 6 quarters, 8 pennies  
(D) 8 nickels, 5 quarters, 8 pennies (E) 8 nickels, 5 quarters, 7 pennies
18. Which of the following has the greatest difference?  
(A)  $99-48$  (B)  $99-47$  (C)  $99-46$  (D)  $98-46$  (E)  $97-46$
19. Four teachers are eating in the lunchroom with their students and each teacher has 25 students. How many people are in the lunchroom?  
(A) 29 (B) 84 (C) 100 (D) 104 (E) 108
20. A runner came in third place with a time of 5 minutes and 28 seconds. If the second place runner finished 8 seconds sooner than the third place runner, and the first place runner finished 7 seconds sooner than the second place runner, how long did it take the first place runner to finish?  
(A) 5 minutes 13 seconds (B) 5 minutes 11 seconds (C) 5 minutes 12 seconds  
(D) 5 minutes 3 seconds (E) 5 minutes 43 seconds
21. School ends at 3:20 in the afternoon. If it is 10:30 in the morning, how long is it until school is out?  
(A) 7 hours, 10 minutes (B) 4 hours, 50 minutes (C) 5 hours, 10 minutes  
(D) 5 hours, 50 minutes (E) 4 hours, 10 minutes
22. David can chop down two trees in twenty minutes. How many trees could he chop down in 6 hours?  
(A) 12 (B) 18 (C) 24 (D) 30 (E) 36
23. What is the difference in length between a stick that is 2 yards 4 inches long and a stick that is 74 inches long?  
(A) 2 inches (B) 4 inches (C) 8 inches (D) 46 inches (E) 130 inches
24. You are trying to raise \$100 for your school. If you raised \$36.47 on Monday and \$48.89 on Tuesday, how much more do you need to raise?  
(A) \$14.36 (B) \$14.64 (C) \$15.36 (D) \$15.64 (E) \$85.36
25. How much smaller is one thousand ten than ten thousand one?  
(A) 8,091 (B) 8,991 (C) 9,011 (D) 9,091 (E) 9,991

# MATH 4 TEST 1 ANSWERS

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

- $\frac{7}{9}$  has the largest numerator
- thousands
- $756 + 123 = 879$
- 5
- No multiplication is necessary. The third factor of choice E is the largest and will produce the largest product.
- 8,608
- 2,357
- 8,625
- $16 + 11 = 27$
- $12 + 30 = 42$
- $36 - 2 = 34$
- $1 \times 7 = 7$
- $17 - 4 = 13$
- 22
- $52 - 21 = 31$
- No addition is necessary. The fourth addend of choice B is larger than the fourth addend of choice A and is eliminated. The second addend of choice C is larger than the second addend of A, thus C is eliminated. The first addend of choice D is larger than the first addend of choice A, thus D is eliminated. The third addend of choice E is larger than the third addend of choice A, thus A is the smallest.
- When comparing A and B, A is eliminated because 9 nickels are greater than 4 dimes. When comparing B and C, C is eliminated because C has an additional nickel and quarter. B and D have the exact same value. When comparing B and E, B is eliminated because it has one more penny. Therefore E.
- No subtraction is necessary. The greatest difference between two numbers occurs when the numbers are the farthest apart. Therefore when comparing A, B, and C; A and B are eliminated. When comparing C, D, and E; D and E are eliminated.
- $4 + (4 \times 25) = 4 + 100 = 104$
- 5 min. 28 sec. - 15 sec. = 5 min. 13 sec.
- 4 hours, 50 minutes
- 6 trees per hour x 6 hours = 36 trees.
- $(2 \times 36) + 4 - 74 = 76 - 74 = 2$
- $100 - (36.47 + 48.89) = 100 - (85.36) = \$14.64$
- $10,001 - 1,010 = 8,991$