

## MATH 3 TEST 2

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

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

1. Which fraction has the least value?

- (A)  $\frac{1}{17}$                       (B)  $\frac{1}{13}$                       (C)  $\frac{1}{14}$                       (D)  $\frac{1}{16}$                       (E)  $\frac{1}{15}$

2. How much smaller is  $43 \times 3$  than  $46 \times 3$ ?

- (A) 3                      (B) 4                      (C) 5                      (D) 7                      (E) 9

3. Which of the following is the smallest?

- (A)  $4,685 - 0$                       (B)  $4,684 + 0$                       (C)  $4,685 - 3$                       (D)  $4,685 - 2$                       (E)  $4,685 - 1$

4. Which would produce the smallest product?

- (A)  $7 \times 7$                       (B)  $5 \times 9$                       (C)  $8 \times 8$                       (D)  $9 \times 6$                       (E)  $6 \times 7$

5. Your library books are overdue 5 days and you have to pay a fine of 7 cents a day for your books. How much money should you get back if you pay the librarian a dollar?

- (A) 45 cents                      (B) 55 cents                      (C) 65 cents                      (D) 75 cents                      (E) 88 cents

6. Which is the smallest quotient?

- (A)  $60 \div 5$                       (B)  $60 \div 1$                       (C)  $60 \div 4$                       (D)  $60 \div 2$                       (E)  $60 \div 3$

7. Which sum is the greatest?

- (A)  $96 + 65$                       (B)  $97 + 65$                       (C)  $98 + 65$                       (D)  $98 + 64$                       (E)  $98 + 63$

8. August 20<sup>th</sup> is approximately how many days before November 20<sup>th</sup>?

- (A) 60                      (B) 90                      (C) 120                      (D) 150                      (E) 180

9. How many seconds are there in 3 minutes?

- (A) 150                      (B) 180                      (C) 240                      (D) 270                      (E) 300

10. How many more nickels are there in 37 dimes than 28 dimes?

- (A) 9                      (B) 11                      (C) 18                      (D) 45                      (E) 90

11. Which fraction has the largest numerator?

- (A)  $\frac{9}{2}$                       (B)  $\frac{8}{3}$                       (C)  $\frac{7}{4}$                       (D)  $\frac{6}{5}$                       (E)  $\frac{5}{6}$

12. How much larger is  $6 \times 8$  than  $6 + 5$ ?

- (A) 18                      (B) 37                      (C) 38                      (D) 43                      (E) 45

13. For the fundraiser, the third grade students brought in a total of 487 quarters for the three months. If they brought in 123 quarters for March and 150 quarters for April, how many quarters did they bring in for May?

- (A) 114                      (B) 173                      (C) 204                      (D) 214                      (E) 273

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14. If basketball practice started at 3:15 p.m. and ended at 4:30 p.m., how long was basketball practice?  
 (A) 45 minutes (B) 1 hour, 15 minutes (C) 1 hour, 45 minutes  
 (D) 2 hours, 15 minutes (E) 2 hours, 45 minutes
15. If candy bars cost 70 cents each, how many could you buy if you have \$3?  
 (A) 2 (B) 3 (C) 4 (D) 5 (E) 6
16. There are 4 rows of cars with 2 cars in each row. If each car has 4 tires, how many tires are there total?  
 (A) 16 (B) 18 (C) 24 (D) 28 (E) 32
17. If you bought six 2-liter cokes that were \$1 each and you paid for them with a twenty-dollar bill, how much money would you get back?  
 (A) \$6 (B) \$8 (C) \$10 (D) \$12 (E) \$14
18. A painter can paint 4 desks every 30 minutes. How long would it take him to paint 16 desks?  
 (A) 40 minutes (B) 60 minutes (C) 90 minutes (D) 120 minutes (E) 150 minutes
19. For every dollar that you spend, you have to pay 6 cents tax. How many dollars would you need to spend in order to have a total tax of 42 cents?  
 (A) \$5 (B) \$7 (C) \$9 (D) \$12 (E) \$14
20. If you line up 6 erasers across your desk from one end to the other, how long is your desk? Each eraser is 9 inches long.  
 (A) 48 inches (B) 53 inches (C) 54 inches (D) 56 inches (E) 63 inches
21. Which is the smallest amount of money?  
 (A) 4 quarters (B) 13 nickels (C) 76 pennies (D) 7 dimes (E) 2 quarters + 4 dimes
22. At a store, marbles come in 2 sizes and 3 colors. Which would be the most expensive?

	SMALL	LARGE
BLUE	3 CENTS	5 CENTS
BLACK	4 CENTS	6 CENTS
BROWN	5 CENTS	7 CENTS

- (A) 5 large black + 5 small blue (B) 7 small brown + 1 large blue (C) 6 small black + 2 large brown  
 (D) 4 large blue + 4 large black (E) 2 large blue + 3 large brown
23. If you had a two-dollar bill, how much change would you get back if you bought 8 large black marbles and 3 small brown marbles?  
 (A) 63 cents (B) 131 cents (C) 132 cents (D) 137 cents (E) 153 cents
24. Your 4 library books are each overdue 6 days. If you have to pay a fine of 3 cents a day for each book, how much money do you owe?  
 (A) 48 cents (B) 54 cents (C) 60 cents (D) 62 cents (E) 72 cents
25. A barber can give 4 haircuts every hour. How long would it take the barber to give 48 haircuts?  
 (A) 12 hours (B) 13 hours (C) 14 hours (D) 15 hours (E) 16 hours

## MATH 3 TEST 2 ANSWERS

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

1. The one with the largest denominator
2.  $3 \times 3 = 9$
3.  $4,685 - 3$
4.  $6 \times 7$
5.  $100 - 35 = 65$
6. The one with the largest divisor.
7. C has the two largest addends
8.  $30 + 30 + 30 = 90$
9.  $60 + 60 + 60 = 180$
10.  $9 \times 2 = 18$
11.  $\frac{9}{2}$
12.  $48 - 11 = 37$
13.  $487 - 273 = 214$
14. 1 hour, 15 minutes
15.  $70 + 70 + 70 + 70 = 280$
16.  $4 \times 2 \times 4 = 32$
17.  $20 - 6 = 14$
18.  $30 + 30 + 30 + 30 = 120$
19.  $42 \div 6 = 7$
20.  $6 \times 9 = 54$
21. B
22. 5 large black + 5 small blue
23.  $200 - 15 - 48 = 137$
24.  $6 \times 12 = 72$
25.  $48 \div 4 = 12$