

**MATH 6 PRACTICE TEST 2**

Name \_\_\_\_\_

Date \_\_\_\_\_

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

- Which product is the greatest?  
(A)  $4 \times (6+8)$       (B)  $24 \times (1+1)$       (C)  $8 \times (4+2)$       (D)  $3 \times (10+9)$       (E)  $1 \times (27+28)$
- Which would produce the greatest difference?  
(A)  $672 - 468$       (B)  $672 - 469$       (C)  $672 - 470$       (D)  $672 - 471$       (E)  $672 - 472$
- What is the smallest number that can be written with the following digits? 3, 7, 2, 5  
(A) 2,735      (B) 2,573      (C) 2,537      (D) 2,375      (E) 2,357
- Which has the greater value?  
(A)  $\frac{1}{6}$  of 42      (B)  $\frac{1}{10}$  of 80      (C)  $\frac{1}{3}$  of 18      (D)  $\frac{1}{4}$  of 28      (E)  $\frac{1}{2}$  of 14
- For 40,231.5789, which digit is in the thousandths place?  
(A) 0      (B) 2      (C) 4      (D) 8      (E) 9
- $7\frac{8}{9}$  is the same as which improper fraction?  
(A)  $\frac{65}{9}$       (B)  $\frac{66}{9}$       (C)  $\frac{71}{9}$       (D)  $\frac{72}{9}$       (E)  $\frac{79}{9}$
- You ate  $3\frac{1}{2}$  doughnuts and your brother ate  $4\frac{1}{2}$  doughnuts. How many doughnuts remain if there were originally two dozen doughnuts?  
(A) 4      (B) 8      (C) 16      (D) 17      (E) 18
- Which number would you have to divide 143 by to obtain a remainder of 5?  
(A) 3      (B) 4      (C) 5      (D) 6      (E) 7
- When nobody is absent, there are 438 students and teachers at school. If the school auditorium seats 689 and there are 270 empty seats, how many students and teachers are absent that day?  
(A) 9      (B) 17      (C) 18      (D) 19      (E) 29
- If it is 1:00 A.M. on a Monday morning, what day of the week was it 50 hours ago?  
(A) Wednesday      (B) Thursday      (C) Friday      (D) Saturday      (E) Sunday
- Which will produce the smallest quotient?  
(A)  $12 \div 2\frac{1}{2}$       (B)  $12 \div 2\frac{3}{5}$       (C)  $12 \div 2\frac{2}{5}$       (D)  $12 \div 2\frac{7}{12}$       (E)  $12 \div 2\frac{1}{4}$
- What number does  $(6 \times 1000) + (0 \times 100) + (4 \times 10) + (3 \times 1)$  equal?  
(A) 643      (B) 6043      (C) 6143      (D) 6403      (E) 60,043
- If a foot-long hot dog is cut into 5 pieces of equal length, how many inches long is each piece?  
(A)  $\frac{5}{12}$       (B)  $2\frac{1}{4}$       (C)  $2\frac{1}{3}$       (D)  $2\frac{2}{5}$       (E)  $7\frac{1}{5}$

14. Which number is the smallest?  
 (A)  $\frac{4}{10}$  (B)  $\frac{381}{1000}$  (C)  $\frac{39}{100}$  (D)  $\frac{37}{10}$  (E)  $\frac{379}{1000}$
15. Which number is the largest?  
 (A) 0.293 (B) 0.39 (C) 0.1234 (D) 0.4 (E) 0.119
16. Which is the longest distance?  
 (A) 3 yards (B) 107 inches (C) 2 yards + 2 feet (D) 1 yard + 5 feet (E) 8 feet
17. You bought 13.4 gallons of gas at \$1.05 per gallon, how much did you pay?  
 (A) \$2.01 (B) \$13.97 (C) \$14.07 (D) \$14.17 (E) \$14.70
18. You received  $\frac{2}{5}$  of the \$28 that was owed to you. How much money is still owed to you?  
 (A) \$11.20 (B) \$16.80 (C) \$17.80 (D) \$18.80 (E) \$70
19. Which fraction does not have the same value as the other four?  
 (A)  $\frac{9}{24}$  (B)  $\frac{6}{16}$  (C)  $\frac{15}{40}$  (D)  $\frac{18}{48}$  (E)  $\frac{24}{72}$
20. What is the difference between thirteen and four hundredths, and five and six hundred-thousandths?  
 (A) 8.003994 (B) 8.039994 (C) 8.0394 (D) 8.03994 (E) 8.04006
21. If the perimeter of a rectangle is 40 and the length is 8, find the width.  
 (A) 10 (B) 12 (C) 14 (D) 16 (E) 32
22. Which is the smallest amount of fluid?  
 (A) 4 gallons (B) 17 quarts (C) 33 pints (D) 3 gallons + 17 cups (E) 63 cups
23. John hiccups 3 times every 15 seconds. How many times will John hiccup in two minutes at that rate?  
 (A) 12 (B) 18 (C) 24 (D) 30 (E) 36
24. If a circle has a radius of  $b$  inches, what will be the length of the diameter in inches?  
 (A)  $2 \times b$  (B)  $2 \div b$  (C)  $b \div 2$  (D)  $2 \times \pi \times b$  (E)  $\pi \times b^2$
25. A clock is malfunctioning such that the minute hand moves 90 minutes every hour. If you set the clock at the correct time at 8:00 A.M., what time will your clock say it is at 2:00 P.M. of the same day?  
 (A) 3:00 P.M. (B) 4:00 P.M. (C) 5:00 P.M. (D) 6:00 P.M. (E) 7:00 P.M.

MATH 6 PRACTICE TEST 2 ANSWERS

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