MATH 5 PRACTICE TEST 1

Name_____ Date_____

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

1. What is the next number in the following sequence: 17, 24, 31, 38,____?
   (**A**) 43 (**B**) 44 (**C**) 45 (**D**) 46 (**E**) 47

2. Round 2499.9989 to the nearest thousands place.
   (**A**) 2000 (**B**) 2499.009 (**C**) 2499.999 (**D**) 2500 (**E**) 3000

3. If a racecar can travel at 239.99 miles per hour, how much faster will it need to travel to be able to reach 250.8 miles per hour?
   (**A**) 10.19 (**B**) 10.81 (**C**) 10.99 (**D**) 11.81 (**E**) 11.99

4. Turtle A crawled 4 yards, 1 foot, 1 inch and Turtle B crawled 3 yards, 2 feet, 3 inches. How much farther did Turtle A crawl than turtle B?
   (**A**) 1 ft. 8 in. (**B**) 1 ft. 9 in. (**C**) 1 ft. 10 in. (**D**) 8 ft. 8 in. (**E**) 1 yd. 1 ft. 2 in.

5. If a basketball goal is lowered 32 inches from a height of 10 feet, how many feet high will the goal be?
   (**A**) $7\frac{1}{3}$ (**B**) $7\frac{1}{2}$ (**C**) $7\frac{2}{3}$ (**D**) $8\frac{1}{3}$ (**E**) $8\frac{2}{3}$

6. 2007 is not divisible by what number?
   (**A**) 3 (**B**) 7 (**C**) 9 (**D**) 223 (**E**) 669

7. What is the largest number that can be written with the following digits: 3, 9, 0, 5 ?
   (**A**) 9530 (**B**) 9350 (**C**) 9305 (**D**) 9503 (**E**) 9053

8. Which will result in the largest remainder?
   (**A**) $41 \div 4$ (**B**) $42 \div 4$ (**C**) $43 \div 4$ (**D**) $44 \div 4$ (**E**) $45 \div 4$

9. Jon, Mark, and Peter are on a relay team that is participating in a 10 mile relay. If Jon runs for 2.6 miles and Mark runs for 3.8 miles, how many miles would Peter have to run to complete the race?
   (**A**) 2.6 (**B**) 3.4 (**C**) 3.6 (**D**) 4.4 (**E**) 4.6

10. Miller Elementary consists of 459 boys, 567 girls, and 38 teachers when everyone is present. If 14 students and 2 teachers are absent on the same day, how many students and teachers would be present in school?
    (**A**) 938 (**B**) 948 (**C**) 1038 (**D**) 1048 (**E**) 1080

11. Six yards has how many more inches than twelve feet?
    (**A**) 6 (**B**) 72 (**C**) 108 (**D**) 120 (**E**) 140

12. Your bicycle wheel originally had 24 spokes but now it has 17. How much would it cost to fix your wheel if it costs 28 cents per spoke to fix?
    (**A**) \$1.40 (**B**) \$1.68 (**C**) \$1.96 (**D**) \$2.24 (**E**) \$2.52

13. You get paid \$6 per hour for the first 40 hours that you work in a week and \$9 per hour for each additional hour that you work in a week. How much would you be paid if you worked 50 hours in a week?
    (**A**) \$320 (**B**) \$330 (**C**) \$350 (**D**) \$390 (**E**) \$750

14. David moved 4 cubic yards of dirt in 3 hours. How many hours would it take David to move 24 cubic yards assuming he works at the same rate?
    (**A**) 12 (**B**) 15 (**C**) 16 (**D**) 18 (**E**) 23

15. Jennifer bought 3 gallons of milk for $2.19 per gallon. How much change would Jennifer get back if she gave the cashier a $10 bill?

(**A**) $3.43 (**B**) $3.53 (**C**) $4.43 (**D**) $4.57 (**E**) $6.57

16. Billy grew 10 inches over the last year. If he is 5 ft. 2 in. now, how tall was he last year?

(**A**) 4 ft. 1 in. (**B**) 4 ft. 2 in. (**C**) 4 ft. 3 in. (**D**) 4 ft. 4 in. (**E**) 4 ft. 5 in.

17. Leaves are falling off of a tree at a rate of 3 leaves every 20 minutes. How many leaves will fall off in 3 hours and 40 minutes?

(**A**) 27 (**B**) 30 (**C**) 33 (**D**) 36 (**E**) 39

18. If it is 2:15 P.M., what time was it 71 hours ago?

(**A**) 1:15 A.M. (**B**) 1:15 P.M. (**C**) 3:15 A.M. (**D**) 3:15 P.M. (**E**) 4:15 P.M.

19. A runner came in second with a time of 4 minutes and 13 seconds. If the first place runner finished 8 seconds sooner, how long did it take the first place runner to finish?

(**A**) 4 minutes 4 seconds (**B**) 4 minutes 5 seconds (**C**) 4 minutes 6 seconds
(**D**) 4 minutes 20 seconds (**E**) 4 minutes 21 seconds

20. Using the table, what word is found when the corresponding letter is written for each product for the following sequence?

6 x 8, 9 x 6, 8 x 7, 7 x 9

56	54	48	63
O	P	S	T

(**A**) SPOT (**B**) POST (**C**) POTS (**D**) TOPS (**E**) STOP

21. A job requires 7 hours of work to complete. If you work for 3 hours and 36 minutes, how many hours do you have left?

(**A**) $3\frac{1}{3}$ (**B**) $3\frac{2}{5}$ (**C**) $3\frac{6}{25}$ (**D**) $3\frac{9}{25}$ (**E**) $4\frac{2}{5}$

22. A swimming pool conatains 2400 gallons of water. How many hours would it take to drain the pool if it can be drained at a rate of 600 gallons per hour ?

(**A**) 3 (**B**) 4 (**C**) 5 (**D**) 6 (**E**) 7

23. Three dogs each had 4 puppies. How many total dogs are there?

(**A**) 11 (**B**) 12 (**C**) 13 (**D**) 14 (**E**) 15

24. Tom and Jerry are standing in a line of 247 people. If Tom is 129th from the front and Jerry is 80th from the back, how many people are between Tom and Jerry?

(**A**) 37 (**B**) 38 (**C**) 39 (**D**) 48 (**E**) 49

25. If you have x cats and y dogs, how many total cats and dogs do you have?

(**A**) x times y (**B**) x divided by y (**C**) x minus y (**D**) y minus x (**E**) x plus y

MATH 5 PRACTICE TEST 2

Name_____ Date_____

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

1. Which is not an improper fraction?
   (**A**) $\frac{2}{3}$ (**B**) $\frac{5}{4}$ (**C**) $\frac{7}{3}$ (**D**) $\frac{269}{7}$ (**E**) $\frac{23}{22}$

2. For 40,231.5789, which digit is in the thousandths place?
   (**A**) 0 (**B**) 2 (**C**) 4 (**D**) 8 (**E**) 9

3. Which would produce the greatest difference?
   (**A**) 672 - 468 (**B**) 672 - 469 (**C**) 672 - 470 (**D**) 672 - 471 (**E**) 672 - 472

4. 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**) $1\times(27+28)$

5. $7\frac{8}{9}$ is the same as which improper fraction?
   (**A**) $\frac{65}{9}$ (**B**) $\frac{66}{9}$ (**C**) $\frac{71}{9}$ (**D**) $\frac{72}{9}$ (**E**) $\frac{79}{9}$

6. Which 3 digit number is equivalent to 23 tens and 8 ones?
   (**A**) 31 (**B**) 222 (**C**) 236 (**D**) 238 (**E**) 310

7. If school starts at 8:15 each day and ends at 3:00 each day, how long is the school day?
   (**A**) 5 hours 45 minutes (**B**) 6 hours 15 minutes (**C**) 6 hours 45 minutes (**D**) 7 hours 15 minutes (**E**) 7 hours 45 minutes

8. 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

9. 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

10. 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

11. If you have *a* dollars in your wallet before you spend *b* dollars, how much money would you have left?
   (**A**) $a+b$ (**B**) $a\div b$ (**C**) $a\times b$ (**D**) $b-a$ (**E**) $a-b$

12. 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

13. 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

14. 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**) $\pi\times b^2$

15. You bought 3 dozen eggs when you realized that 29 eggs were not broken. If the store will pay you 7 cents for each broken egg, how much will the store pay you for the broken eggs?

(**A**) 42 cents (**B**) 49 cents (**C**) 56 cents (**D**) 203 cents (**E**) 213 cents

16. 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

17. 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

18. Which is the longest distance?

(**A**) 3 yards (**B**) 107 inches (**C**) 2 yards + 2 feet (**D**) 1 yard + 5 feet (**E**) 8 feet

19. What number does $(6\times1000)+(0\times100)+(4\times10)+(3\times1)$ equal?

(**A**) 643 (**B**) 6043 (**C**) 6143 (**D**) 6403 (**E**) 60,043

20. 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

21. 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**) $7\frac{1}{5}$

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. 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.

24. Which is the greater amount of time?

(**A**) $\frac{1}{2}$ of one week (**B**) 85 hours (**C**) 5040 minutes (**D**) 2 days + 35 hours (**E**) 1 day + 60 hours

25. 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

MATH 5 PRACTICE TEST 3

Name_____ Date_____

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

1. If you have $8.47 and you buy a yo-yo for $6.58, how much money will you have left?
   (**A**) $1.87 (**B**) $1.89 (**C**) $1.99 (**D**) $2.11 (**E**) $2.89

2. Forty thousand, twenty-seven can be written as which of the following?
   (**A**) 427 (**B**) 4,027 (**C**) 4,270 (**D**) 40,270 (**E**) 40,027

3. If each side of a square is 7 inches long, what is the perimeter of the square?
   (**A**) 14 inches (**B**) 21 inches (**C**) 28 inches (**D**) 32 inches (**E**) 35 inches

4. Which fraction has the largest value?
   (**A**) $\frac{1}{1}$ (**B**) $\frac{2}{2}$ (**C**) $\frac{3}{3}$ (**D**) $\frac{4}{4}$ (**E**) all the fractions have the same value

5. If it takes 8 glasses of water to fill a pitcher, how many glasses of water would it take to fill two and one-half pitchers?
   (**A**) 16 (**B**) 18 (**C**) 20 (**D**) 22 (**E**) 24

6. You are 603 steps away from the door. If you take 237 steps towards the door, how many steps will you be away from the door?
   (**A**) 366 (**B**) 376 (**C**) 434 (**D**) 466 (**E**) 476

7. Which quotient does not equal 4?
   (**A**) $36 \div 9$ (**B**) $8 - 5$ (**C**) $24 \div 6$ (**D**) $32 \div 8$ (**E**) $20 \div 4$

8. You brought home $6\frac{7}{9}$ pizzas from the party and three days later, $2\frac{4}{9}$ of the pizzas remained. How many pizzas were consumed since you brought them home?
   (**A**) $3\frac{3}{9}$ (**B**) $4\frac{1}{3}$ (**C**) $4\frac{1}{6}$ (**D**) $4\frac{1}{2}$ (**E**) $9\frac{2}{9}$

9. Bob is 4 years younger than Susie and Joe is 7 years older than Susie. How many more years older is Joe than Bob ?
   (**A**) 3 (**B**) 4 (**C**) 10 (**D**) 11 (**E**) 12

10. What is the sum of the digit that is in the tens place and the digit that is in the hundredths place for 4,683.1257 ?
    (**A**) 7 (**B**) 9 (**C**) 10 (**D**) 13 (**E**) 14

11. For 237,104,567, which digit is in the ten millions place?
    (**A**) 0 (**B**) 1 (**C**) 2 (**D**) 3 (**E**) 7

12. One hundred eight million, three hundred twenty thousand, sixty-seven can be expressed as:
(**A**) 108,302,067 (**B**) 108,320,067 (**C**) 108,320,670 (**D**) 180,320,067 (**E**) 180,320,670

13. A rectangle has a width of 5 feet and a length of 7 feet.. Find the perimeter of the rectangle in *inches*?
(**A**) 24 (**B**) 35 (**C**) 144 (**D**) 288 (**E**) 420

14. Which of the following problems will have the greatest remainder?
(**A**) $670 \div 10$ (**B**) $670 \div 15$ (**C**) $670 \div 20$ (**D**) $670 \div 25$ (**E**) $670 \div 30$

15. Assuming there are 364 days in a year, how many days are there in 709 years?
(**A**) 5,824 (**B**) 28,756 (**C**) 28,776 (**D**) 258,076 (**E**) 258,096

16. Given $36 - 12 = 24$ and $30 \div 6 = 5$, find the sum of the divisor and the minuend.
(**A**) 19 (**B**) 40 (**C**) 42 (**D**) 43 (**E**) 66

17. Which is the greatest difference?
(**A**) $2 - 1\frac{1}{9}$ (**B**) $1 - \frac{2}{9}$ (**C**) $4 - 3\frac{3}{9}$ (**D**) $6 - 5\frac{4}{9}$ (**E**) $7 - 6\frac{5}{9}$

18. A class has 27 students. If each student needs to sell 75 tickets, how many tickets need to be sold?
(**A**) 540 (**B**) 675 (**C**) 1625 (**D**) 2025 (**E**) 15525

19. What is the difference between six and four-sevenths and three and two-sevenths?
(**A**) $2\frac{2}{7}$ (**B**) $3\frac{1}{7}$ (**C**) $3\frac{2}{7}$ (**D**) $3\frac{6}{7}$ (**E**) $9\frac{6}{7}$

20. Which of the following numbers is not an odd number?
(**A**) 23 (**B**) 376 (**C**) 437 (**D**) 519 (**E**) 1235

21. Six-sevenths of the enrolled students were in school yesterday. If 840 students were enrolled in your school, how many students were in school yesterday?
(**A**) 72 (**B**) 120 (**C**) 620 (**D**) 720 (**E**) 820

22. Luke scored 15 points in his first game, 18 points in his second game, 23 points in his third game, and 16 points in his fourth game. What did Luke average in the four games?
(**A**) 17 (**B**) 18 (**C**) 18.5 (**D**) 19 (**E**) 20

23. If you have *c* cats and *d* dogs, how many cats and dogs do you have?
(**A**) $c \div d$ (**B**) $c \times d$ (**C**) $c - d$ (**D**) $d - c$ (**E**) $c + d$

24. Which set of fractions are arranged from decreasing to increasing order from left to right?
(**A**) $\frac{18}{63}, \frac{28}{49}, \frac{33}{77}$ (**B**) $\frac{18}{63}, \frac{33}{77}, \frac{28}{49}$ (**C**) $\frac{33}{77}, \frac{28}{49}, \frac{18}{63}$ (**D**) $\frac{33}{77}, \frac{18}{63}, \frac{28}{49}$ (**E**) $\frac{28}{49}, \frac{33}{77}, \frac{18}{63}$

25. $\frac{l}{m} \div \frac{n}{p} =$
(**A**) $\frac{l \times n}{m \times p}$ (**B**) $\frac{l \times p}{m \times n}$ (**C**) $\frac{l \times m}{n \times p}$ (**D**) $\frac{m \times n}{l \times p}$ (**E**) $\frac{m \times p}{l \times n}$

MATH 5 PRACTICE TEST 4

Name_____ Date_____

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

1. Your friend tells you to wait one second when actually you had to wait 5 minutes. How much more time did you have to wait then your friend asked you to ?

(**A**) 5 minutes 1 second (**B**) 4 minutes 99 seconds (**C**) 4 minutes 59 seconds (**D**) 4 minutes 1 second (**E**) 4 minutes

2. There are 10 hot dogs in a pack and 8 hot dog buns in a pack. If you buy 4 packs of hot dogs, how many packs of hot dog buns would you need to buy in order to have the same number of hot dogs as buns?

(**A**) 4 (**B**) 5 (**C**) 6 (**D**) 7 (**E**) 8

3. If it takes 15 minutes to travel from school to home by car and one and a half hours to travel the same distance by walking, how much time is saved by taking the car?

(**A**) 60 minutes (**B**) 65 minutes (**C**) 75 minutes (**D**) 85 minutes (**E**) 105 minutes

4. If you buy a guitar for $5.50 and you buy 6 guitar strings at 50 cents each, how much did you totally pay for the guitar and strings?

(**A**) $5.80 (**B**) $6.00 (**C**) $7.50 (**D**) $8.50 (**E**) $9.50

5. You are asked to bring enough bottles of 2 liter coke to your class party which consists of 16 people. If you estimate that you need a 2 liter bottle for every 4 students, how many bottles should you bring?

(**A**) 2 (**B**) 4 (**C**) 6 (**D**) 8 (**E**) 10

6. You have a 4 foot sub sandwich delivered for your birthday. If eight people total will be sharing the sub, how many inches should each piece be?

(**A**) 2 (**B**) 4 (**C**) 6 (**D**) 8 (**E**) 10

7. How many more minutes does 1 day have than 10 hours?

(**A**) 14 (**B**) 120 (**C**) 720 (**D**) 780 (**E**) 840

8. You are asked to bring 2 cookies for each student that is in your room, which consists of 16 students total. If your mother bakes 3 dozen cookies, how many cookies would you be able to eat at home and still have enough for school?

(**A**) 1 (**B**) 2 (**C**) 3 (**D**) 4 (**E**) 5

9. Which is the largest number?

(**A**) 141.6 (**B**) 141.59 (**C**) 141.500 (**D**) 141.4322 (**E**) 141.58769

10. You buy 3 pop sickles for 96 cents. If you sold the pop sickles for 1$ each, how much would you make for each pop sickle that is sold?

(**A**) 4 cents (**B**) 32 cents (**C**) 58 cents (**D**) 68 cents (**E**) 78 cents

11. If *m* students share *n* cookies, how many cookies would each student get?

(**A**) $m+n$ (**B**) $m \times n$ (**C**) $m-n$ (**D**) $m \div n$ (**E**) $n \div m$

12. If your birthday was 17 weeks ago, how many more days is it to your next birthday? Assume there are exactly 52 weeks in one year.

(**A**) 119 (**B**) 238 (**C**) 245 (**D**) 252 (**E**) 259

13. Which is the reciprocal of $4\frac{2}{3}$?

(**A**) $\frac{1}{3}$ (**B**) $\frac{11}{3}$ (**C**) $\frac{3}{11}$ (**D**) $\frac{14}{3}$ (**E**) $\frac{3}{14}$

14. Which would produce the smallest quotient?

(**A**) $\frac{7}{8} \div \frac{5}{16}$ (**B**) $\frac{7}{8} \div \frac{5}{8}$ (**C**) $\frac{7}{8} \div \frac{5}{3}$ (**D**) $\frac{7}{8} \div \frac{5}{32}$ (**E**) $\frac{7}{8} \div \frac{5}{7}$

15. Which results in the smallest difference?

(**A**) $201.4 - 19.999$ (**B**) $201.11 - 19.999$ (**C**) $201.2 - 19.999$ (**D**) $201\frac{5}{8} - 19.999$ (**E**) $201\frac{7}{8} - 19.999$

16. What is the difference between three hundred two and seventeen hundredths, and thirty-nine and eight hundred fifty-eight thousandths?

(**A**) 262.312 (**B**) 262.328 (**C**) 263.312 (**D**) 263.328 (**E**) 362.312

17. Which problem will produce the largest remainder?

(**A**) $2{,}000{,}001 \div 3$ (**B**) $197{,}538{,}945 \div 5$ (**C**) $4{,}323{,}476 \div 2$ (**D**) $2000 \div 7$ (**E**) $2006 \div 7$

18. You need to paint 57.08 square feet of the wall. If each bottle of paint can cover 5 square feet, how many bottles of paint will you need to be able to complete the project?

(**A**) 9 (**B**) 10 (**C**) 11 (**D**) 12 (**E**) 13

19. Round 4.499 to the nearest whole number.

(**A**) 4 (**B**) 4.4 (**C**) 4.5 (**D**) 4.50 (**E**) 5

20. Which quantity is the smallest?

(**A**) 28% (**B**) $\frac{7}{26}$ (**C**) 0.29 (**D**) $\frac{5}{13} + \frac{1}{13}$ (**E**) $\frac{4}{5} \cdot \frac{2}{5}$

21. Which is the larger quantity?

(**A**) $178.6 + 178.6 + 178.6 + 178.6$ (**B**) 178.6×5 (**C**) $(4 \times 178.6) + 178.4$

(**D**) $(3 \times 178.6) + 178.6 + 178.4$ (**E**) $(2 \times 178.6) + (2 \times 178.6) + 178.7$

22. A candy bar normally sells for 95 cents and you paid six-tenths of this amount. How much did you pay for the candy bar?

(**A**) 55 cents (**B**) 57 cents (**C**) 59 cents (**D**) 61 cents (**E**) 63 cents

23. Which has the largest GCF?

(**A**) 6 and 8 (**B**) 6 and 9 (**C**) 6 and 10 (**D**) 6 and 12 (**E**) 6 and 14

24. Which is the smallest number?

(**A**) 2.89×10 (**B**) 0.289×100 (**C**) $0.000289 \times 10{,}000$ (**D**) $2890 \div 1000$ (**E**) 0.00289×100

25. Which has the largest least common multiple?

(**A**) 4 and 3 (**B**) 4 and 5 (**C**) 4 and 6 (**D**) 4 and 7 (**E**) 4 and 8

MATH 5 PRACTICE TEST 1 ANSWERS

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

1. 45
2. 2000
3. 250.80
   - 239.99
   10.81
4. 4 yd. 1 ft. 1 in. = 3 yd. 3 ft. 13 in.

   3 yd. 3 ft. 13 in.
   -3 yd. 2 ft. 3 in.
   1 ft. 10 in.
5. $10\text{ft} - 32\text{in} = 10\text{ft} - 2\frac{2}{3}\text{ft} = 7\frac{1}{3}\text{ft}$
6. 7
7. 9,530
8. $43 \div 4$ will produce a remainder of 3 which is the highest.
9. $10 - (2.6 + 3.8) = 10 - 6.4 = 3.6$
10. 459 + 567 + 38 - 14 - 2 = 1048.
11. 6 yd. - 12 ft. = 18 ft. - 12 ft. = 6 ft. = 72 in.
12. $0.28(24 - 17) = 0.28(7) = 1.96$
13. $(40 \times 6) + (10 \times 9) = 240 + 90 = 330$
14. Since 24 cubic yards is 6 times as much dirt as 4 cubic yards, it would take 6 times as much time to move the dirt if it was moved at the same rate. Therefore 6 x 3 hours = 18 hours
15. $10 - 3(2.19) = 10 - 6.57 = 3.43$
16. 5 ft. 2 in. - 10 in. = 4 ft. 14 in. - 10 in. = 4 ft. 4 in.
17. 3 leaves every 20 minutes = 6 leaves every 40 minutes = 9 leaves every hour. Therefore 3 hr. 40 min. = 3 x 9 + 6 = 33
18. 71 - 24 = 47. 47 - 24 = 23. 23 hours ago will be 3:15 P.M.
19. 4 minutes 13 seconds - 8 seconds = 4 minutes 5 seconds
20. 6 x 8 = 48 = S
    9 x 6 = 54 = P
    8 x 7 = 56 = 0
    7 x 9 = 63 = T
21. 7 hours - 3 hours 36 minutes = 3 hours 24 minutes = $3\frac{24}{60} = 3\frac{2}{5}$ hours
22. $2400 \div 600 = 4$ hours
23. the number of dogs = the number of puppies + the number of mothers = $3 \times 4 + 3 = 12 + 3 = 15$
24. Since Tom is 129th from the front, these people are not between Tom and Jerry and need to be subtracted from 247 which leaves 118 people. Since Jerry is 80th from the back, these people are not between Tom and Jerry and need to be subtracted from the 118 remaining people which results in 38.
25. $x + y$

MATH 5 PRACTICE TEST 2 ANSWERS

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

1. A
2. D
3. No need to subtract any numbers. Since the minuends for all of the choices are the same, the problem with the smallest subtrahend will produce the greatest difference, which will be A.
4. $3\times(10+9)=3\times19=57$
5. C
6. $23\times10+8=230+8=238$
7. 6 hours and 45 minutes
8. 2357
9. $689-270=419$ present. $438-419=19$ absent
10. $24-\left(3\frac{1}{2}+4\frac{1}{2}\right)=24-8=16$
11. $a-b$
12. $\frac{1}{10}$ of 80 = 8
13. Three times every fifteen seconds will be twelve times every minute, which equals twenty-four in two minutes.
14. diameter = $2\times b$
15. $3\times12=36$ and $7\times(36-29)=7\times7=49$
16. Friday
17. $l+w=\frac{1}{2}\times P \;\rightarrow\; 8+w=20 \;\rightarrow\; w=12$
18. 3 yards = 9 feet = 108 inches
19. 6043
20. $\frac{3}{5}$ is still owed to you. Therefore $\frac{3}{5}\cdot28=\frac{84}{5}=16.8=\$16.80$
21. $\frac{12}{5}=2\frac{2}{5}$
22. 63 cups
23. The clock gains a half hour every hour. $6\times\frac{1}{2}=3$ hours gained. 2:00 P.M. + 3 = 5:00 P.M.
24. $\frac{1}{2}$ of one week = 3.5 days = 3 days 12 hours = 84 hours = 5040 minutes. 85 hours is the longest time.
25. $143\div6=23\text{ r }5$

MATH 5 PRACTICE TEST 3 ANSWERS

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

1. $8.47 - 6.58 = 1.89$
2. 40,027
3. $4 \times 7 = 28$
4. all fractions equal one
5. $(8 \times 2) + \left(\frac{1}{2} \times 8\right) = 16 + 4 = 20$
6. $603 - 237 = 366$
7. $20 \div 4$ Immediately the student should cross out choice B as a possible answer because it is a difference, not a quotient. Even though choice B does not equal four, it cannot be the answer because it is not even a quotient. The question informs the student to look for a quotient. The greatest lesson the student can learn from this question is to read carefully!
8. $6\frac{7}{9} - 2\frac{4}{9} = 4\frac{3}{9} = 4\frac{1}{3}$
9. $7 + 4 = 11$
10. $8 + 2 = 10$
11. 3
12. 108,320,067
13. $(2 \times 12) \times 12 = 288$
14. $670 \div 25$
15. $364 \times 709 = 258{,}076$
16. 36 + 6 = 42
17. $2 - 1\frac{1}{9}$ will produce the greatest difference.
18. 2025
19. $6\frac{4}{7} - 3\frac{2}{7} = 3\frac{2}{7}$
20. 376
21. $\frac{6}{7} \times 840 = \frac{6}{1} \times 120 = 720$
22. $\frac{15 + 18 + 23 + 16}{4} = \frac{72}{4} = 18$
23. $c + d$
24. Reducing choice A yields $\frac{2}{7}, \frac{4}{7}, \frac{3}{7}$. Therefore B
25. $\frac{l}{m} \div \frac{n}{p} = \frac{l}{m} \times \frac{p}{n} = \frac{l \times p}{m \times n}$

MATH 5 PRACTICE TEST 4 ANSWERS

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

1. $5\,\text{min.} - 1\,\text{sec.} = 4\,\text{min.}60\,\text{sec.} - 1\,\text{sec.} = 4\,\text{min.}59\,\text{sec.}$
2. You bought 10 x 4 = 40 hot dogs. 40 hot dogs divided by 8 hot dog buns per pack = 5 packs of buns.
3. $90 - 15 = 75$
4. $550 + 6 \times 50 = 550 + 300 = 850$
5. $16 \div 4 = 4$ bottles
6. $(4 \times 12) \div 8 = 48 \div 8 = 6$
7. $(24 - 10) \times 60 = 14 \times 60 = 840$
8. $3 \times 12 = 36$; $36 - (2 \times 16) = 36 - 32 = 4$
9. A
10. $96 \div 3 = 32$; $100 - 32 = 68$
11. $n \div m$
12. $(52 - 17) \times 7 = 35 \times 7 = 245$
13. $4\frac{2}{3} = \frac{14}{3}$ The reciprocal of $\frac{14}{3}$ is $\frac{3}{14}$.
14. No pencil is necessary on this one. Since all of the dividends are the same, the largest divisor will produce the smallest quotient. Therefore C.
15. No pencil is necessary on this one. Since all of the subtrahends are the same, the smallest minuend will produce the smallest difference. Therefore B.
16. $302.17 - 39.858 = 262.312$
17. The first 3 choices, the students do not have to do any division. The sum of the digits in choice A is divisible by 3. Therefore choice A is divisible by three and will have a remainder of 0. The digit in the ones place of choice B is a 5. Therefore choice B will be divisible by 5 and will have a remainder of 0. The digit in the ones place of choice C is divisible by 2. Therefore choice C has a remainder of 0. Choice D will have a remainder of 5. Since 2000 has a remainder of 5 when dividing by 7, 2007 will also have a remainder of 5. Therefore 2006 will have a remainder of 4. Therefore choice D will have the largest remainder.
18. $57.08 \div 5 = 11.416$ Since you will need more than 11 bottles, the fewest number of bottle needed would be 12.
19. 4
20. Choice A = $28\% = \frac{28}{100} = \frac{7}{25}$. Therefore choice B is smaller because it has the larger denominator (numerators are equal).

Since choice A = 0.28 and is less than choice C, choice C is eliminated. Choice D = $\frac{6}{13} = \frac{12}{26}$ which is larger than choice B.

Choice E = $\frac{8}{25}$ which is larger than choice B.

21. No pencil is necessary on this one. Choice B can be written so that it contains 5 addends of 178.6, which is larger than choice A. Choice C can be written so that it has 4 addends of 178.6 and one addend of 178.4 and therefore is smaller than choice B. Choice D can be written exactly as choice C which also will be smaller than choice B. Choice E will be larger than choice B because it can be written with 4 addends of 178.6 and one addend of 178.7.
22. $0.6 \times 95 = 57$
23. Choice D has the largest GCF which is 6.
24. Choice E will = 0.289 which is the smallest.
25. Choice D will have the largest LCM which is 28.