1. A WOMAN HAS $9.37 IN HER POCKET AND GIVES $4.50 TO CHARITY. HOW MUCH MONEY DOES SHE HAVE?
   A. $5.87
   B. $4.87   9.37-4.50= 4.87
   C. $4.37

2. FELICIA COLLECTS $1 FOR EVERY CAR AND $2 FOR EVERY TRUCK THAT PASSES THROUGH THE TOLL GATE. IF SHE COLLECTS $550 AND 20 CARS CAME THROUGH THE GATE, HOW MANY TRUCKS CAME THROUGH THE GATE?
   A. 150
   B. 265   550 - 20= 530   530 / 2 = 265
   C. 225
   D. 375

3. IN ONE COMMUNITY, 15% OF THE SENIOR CITIZENS WALK IN THE   PARK, IF THERE ARE 120 SENIOR CITIZENS, HOW MANY OF THEM WALK IN THE PARK?
   A. 12
   B. 18   15 X 120= 1800 / 100= 18
   C. 60
   D. 102

4. A TENNIS BALL MACHINE SHOOTS 21 FOREHANDS, 25 BACKHANDS AND 9 LOBS. IF A PLAYER MISSED 6 FOREHANDS, 17 BACKHANDS AND 2 LOBS, HOW MANY BALLS WERE HIT?
   A. 21
   B. 30   21+25+9= 55   6+17+2= 25   55-25= 30
   C. 46
   D. 55

5. A STUDENT TOOK A TEST THAT HAD 60 QUESTIONS. IF HE GOT 45 RIGHT, WHAT PERCENTAGE OF THE QUESTIONS DID HE GET RIGHT?
   A. 15%
   B. 25%
   C. 27%
   D. 75%   45 / 60= 0.75 X 100= 75%

6. A MAN BOUGHT 2 GALLONS OF GASOLINE FOR $2.75. HOW MUCH DID HIS FRIEND PAY FOR 12 GALLONS AT THE SAME PRICE?
   A. $33.00
   B. $27.50
   C. $16.50 2 / 12= 6 X 2.75= 16.50
   D. $8.75

7. SECTION A OF THESE CONTAINS 12 ROWS OF 15 SEATS EACH, CONTAINS ONLY 10 ROWS BUT HAS THE SAME TOTAL NUMBER OF SEATS AS SECTION A. HOW MANY SEATS ARE IN EACH ROW OF SECTION B?
   A. 8
   B. 9
   C. 17
   D. 18   21 X 15= 180 / 10= 18

8. TO BAKE A PIE, FIRST BAKE THE CRUST FOR 15 MINUTES, AND THEN BAKE IT WITH THE FILLING FOR 60 MINUTES, AND LET IT COOL FOR 30 MINUTES. A COUPLE PLANS TO SERVE COMPLETELY BAKED AND COOLED PIE AT 7PM, WHAT TIME SHOULD THEY PUT THE FIRST PART IN THE OVEN?
    A. **5.15PM 15+60+30= 105MIN   7:00-1:45= 5:15**
    B. 5:25PM
    C. 6:05PM
    D. 6:15PM

9. AN ICE CREAM STORE SELLS 24 FLAVORS OF ICE CREAM, 3 FLAVORS OF FROZEN YOGURT, 3 FLAVORS OF SORBET AND 3 FLAVORS SNOW CONES. WHAT IS THE RATIO OF ICE CREAM FLAVORS TO NON-ICE CREAM FLAVORS?
    A. 4:1
    B. **3:1   24= ICE CREAM   8= NON-ICE CREAM   24 / 3= 8**
    C. 2:1
    D. 1:1

10. A CAR RENTAL COMPANY CHARGES $20.50 A DAY, PLUS $.20 A MILE, FOR A COMPACT CAR. IF A CUSTOMER CAN SPEND $80, HOW MANY MILES CAN THEY GO?
    A. **297.5 MILES   80 - 20.50 = 59.50 X 5 = 297.7**
    B. 400 MILES
    C. 410 MILES
    D. 502.5 MILES

11. JACK, SALLY AND JOE ALL WORK IN A BOOKSTORE. JACK SOLD 126 BOOKS, JOE SOLD 1/2 AS MANY BOOKS AS JACK AND SALLY SOLD 1/3 AS MANY BOOKS AS JOE. HOW MANY BOOKS DID SALLY SELL?
    A. **21   126 X .5= 63 / 3= 21**
    B. 42
    C. 53
    D. 63

12. OF THE 80 T-SHIRTS, 10% ARE WHITE, 30% ARE BLUE AND THE REST ARE RED. HOW MANY ARE RED?
    A. 32
    B. 40
    C. **48   10% + 30%= 40% (100 – 40= 60%)   80 X .6(60%)= 48**
    D. 60

13. THE LENGTH OF THE SIDES OF ONE TRIANGLE ARE 2/3 THE LENGTH OF THE SIDE OF A SIMILAR TRIANGLE. IF A SIDE OF THE LOWER TRIANGLE IS 36 MILLIMETERS, WHAT IS THE MEASURE OF THE MATCHING SIDE OF THE SMALLER TRIANGLE?
    A. 6MM
    B. 12MM
    C. 18MM
    D. **24MM   2/3 X 36= 72/3= 24**

14. A STORE IS HAVING A 1/8 OFF SALE. WHAT PERCENTAGE OF EACH ITEM DOES THE CASHIER SUBTRACT FROM THE SALES PRICE?
    A. 12%
    B. **12.5%   100 / 8= 12.5**
    C. 13.5%
    D. 15%

15. A SHOE BOX HAS A VOLUME OF 360 CUBIC INCHES. IF THE WIDTH IS 5 INCHES AND THE HEIGHT IS 6 INCHES, WHAT IS THE LENGTH?
   A.   7 INCHES
   B.   11 INCHES
   C.   12 INCHES   5 X 6= 30 / 360= 12
   D.   14 INCHES

16. OVER A DOZEN WORKERS HELPED TO CONSTRUCT THE NEW TOWN CHURCH. ONE PARTICULAR MAN DID 1/6 OF THE WORK AND ONE PARTICULAR WOMAN DID 1/3 OF THE WORK. BETWEEN THE MAN AND THE WOMAN, HOW MUCH OF TOTAL, WORK DID THEY ACCOMPLISH TOGETHER?
   A.   1/4
   B.   1/2   1/6 + 1/3= 3/6= 1/2
   C.   2/3
   D.   3/4

17. A STUDENT GAVE 2/3 OF HER CASSETTE TAPES TO HER FRIEND. IF SHE KEPT 24 TAPES, HOW MANY DID SHE GIVE AWAY?
   A.   17
   B.   23
   C.   72
   D.   48   3/3 – 2/3= 1/3   80= 3/3   80/3= 24   24 X 2= 48

18. A CLUB HAS 4 BLUE KITES, 3 GREEN KITES AND 3 YELLOW KITES. WHAT PROPORTION OF THE KITES ARE BLUE?
   A.   .20
   B.   .40   4 / 10= 0.4
   C.   .60
   D.   .80

19. A WOMAN DEPOSITS $600 INTO AN ACCOUNT THAT PAYS 5 ¼% INTEREST PER YEAR. HOW MUCH INTEREST WILL SHE RECEIVE IN ONE YEAR?
   A. $31.50   600 X 5 1/4= 3150 / 100= 31.5
   B. $32.40
   C. $315.00
   D. $324.00

20. WATER VOLUME INCREASES 9% WHEN IT FREEZES. IF 180 CUBIC CENTIMETERS OF WATER IS FROZEN, BY HOW MANY CUBIC CENTIMETERS WILL ITS VOLUME INCREASE?
   A.   2
   B.   20
   C.   .09
   D.   16.2   180 X 9= 1620 / 100= 16.2

21. IF 600 PEOPLE APPLIED FOR COLLEGE AND ONLY 245 WERE ACCEPTED, WHAT PROPORTION OF PEOPLE WERE ACCEPTED?
   A.   .3333
   B.   .3067
   C.   .4083   245 / 600= 0.4083
   D.   .5354

22. A HIKER FOLLOWS A TRAIL THAT GOES FROM CAMP TO THE LAKE. THE HIKER WALKS 8 MILES NORTH, AND THEN 6 MILES EAST. WHAT WOULD BE THE DISTANCE OF THE RETURN TRIP IF THE HIKER COULD WALK ALONG ONE STRAIGHT ROUTE BACK TO CAMP?
   A.   7 MILES
   B.   8 MILES
   C.   10 MILES   64 + 36= 100 / 10= 10
   D.   14 MILES

23. A CHEF MIXES HIS SALT AND PEPPER. IF HE PUTS 2/3 CUP OF SALT AND 1/2 CUP OF PEPPER IN HIS SHAKER, WHAT IS THE RATIO OF SALT TO PEPPER?
   A.   4/3   2/3 X 1/2= 4/3= RATIO
   B.   3/4
   C.   1/3
   D.   1/6

24. A PAINTER CAN PAINT 4 WALLS PER HOUR. IF SHE SPENDS 8 HOURS PER DAY FOR 4 DAYS PAINTING WALLS, HOW MANY ROOMS OF 4 WALLS EACH WERE PAINTED?
   A.   32
   B.   64
   C.   128   4 X 8= 32 X 4= 128
   D.   256

25. HOW MANY FLOOR BOARDS 2 1/4 INCHES WIDE ARE NEEDED TO COVER A FLOOR 15 FEET WIDE?
   A.   34
   B.   64
   C.   80   12"= 1 FOOT   12 X 15= 180 / 2.25= 80
   D.   90

26. A BOAT TAKES 2 HOURS TO TRAVEL 15 MILES UPRIVER AGAINST THE CURRENT. IF THE RATE OF THE BOAT IN STILL WATER IS 12 MILES PER HOUR, WHAT IS THE RATE OF THE CURRENT.
   A.   3 MILES PER HOUR
   B.   4 1/2 MILES PER HOUR
   C.   6 MILES PER HOUR
   D.   7 1/2 MILES PER HOUR   15 / 2= 7.5 MILES

27. A MERCHANT BORROWED $650 FOR ONE YEAR AND REPAID THE BANK $682.50 AT THE END OF THE YEAR. WHAT WAS THE INTEREST RATE ON THE LOAN?
   A.   3.25%
   B.   5%
   C.   32.5%   682.5 – 650= 32.5   650 X .5%= 32.5

28. TEN PEOPLE FROM THE FIRST FLOOR AND 14 PEOPLE FROM THE SECOND FLOOR PUT SUGGESTIONS INTO THE SUGGESTION BOX, WHAT IS THE PROBABILITY THAT THE FIRST SUGGESTION DRAWN WILL BE FROM THE PEOPLE ON THE FIRST FLOOR?
   A.   2/7
   B.   5/7
   C.   5/12   10 + 14= 24   10/24= 5/12
   D.   7/12

29. ON A MAP, 2.5 INCHES REPRESENTS 300 MILES. HOW MANY MILES ARE REPRESENTED BY 6 INCHES?
   A.   .05 MILES
   B.   .40 MILES
   C.   600 MILES
   D.   720 MILES   6 / 2.5= 2.4   2.4 X 300= 720

30. THE LENGTH OF A FLAG IS 1.9 TIMES ITS WIDTH. HOW LONG IS A FLAG IF ITS WIDTH IS 5 FEET?
   A.   5.5 FEET
   B.   6.9 FEET
   C.   9.5 FEET   1.9 X 5= 9.5
   D.   9.9 FEET

31. A MAN HAS PAINTED 1/5 OF A TOWER. HE STARTED AT THE TOWERS BASE AND IS NOW 35 FEET ABOVE THE GROUND. HOW TALL IS THE TOWER?
A. 140 FEET
B. 165 FEET
C. **175 FEET**   35 X 5= 175
D. 185 FEET

32. THERE ARE 13 PEOPLE ON THE CITY BUS. AT THE FIRST STOP, 4 PEOPLE GET OFF AND 2 GET ON. AT THE SECOND STOP, 6 PEOPLE GET OFF. IF THERE ARE 12 PEOPLE ON THE BUS AFTER THE SECOND STOP, HOW MANY GOT ON THERE?
A. 5
B. **7**   13 – 4= 9 + 2= 11 – 6= 5   12 – 5= 7
C. 9
D. 12

33. A WOMAN LEAVES HOME AT 7:00 A.M. AND DRIVES TO NEW YORK CITY 200 MILES AWAY. IF SHE AVERAGES 50 MILES PER HOUR, WHAT TIME WILL SHE ARRIVE AT THE CITY?
A. 1:30 PM
B. 4:00 PM
C. 10:30 AM
D. **11:00 AM**   4 + 7= 11

34. AN INVESTOR DEPOSITS $468 IN A NEW ACCOUNT PAYING 6 ½% INTEREST PER YEAR. HOW MUCH WILL BE IN THE ACCOUNT AFTER ONE YEAR IF NO OTHER TRANSACTIONS ARE MADE?
A. $474.15
B. $485.42
C. $492.30
D. **$498.42**   468 X .065= 30.42   468 + 30.42= 498.42

35. FOR 4 DAYS, THE TEMPERATURES IN ALASKA AT 9:00 A.M. WERE 12, -2, -6, AND 8, 4, RESPECTIVELY. WHAT WAS THE AVERAGE TEMPERATURE?
A. **3.1**   12 – 8= 4 + 8.4= 12.4   12.4 / 4= 3.1
B. 3.4
C. 7.1
D. 12.4

36. FIFTEEN STUDENTS TOOK A MATH TEST. EIGHT STUDENTS SCORED 75, FIVE SCORED 82, AND TWO SCORED 95. WHAT WAS THE AVERAGE OF THEIR SCORES?
A. 88
B. **84**   75 + 82 + 95= 252   252 / 3= 84
C. 80
D. 76

37. A CONTRACTOR LEAVES HOME AT 8:00 A.M. TO GO TO WORK 10 MILES AWAY. IF HE TRAVELS AT 50 MILES PER HOUR, WHAT TIME WILL HE ARRIVE AT WORK?
A. 8:05 AM
B. **8:12 AM**   50 / 5= 10   60 / 5= 12 MIN
C. 8:20 AM
D. 8:50 AM

38. AFTER 24 PENCILS ARE SHARPENED, THE PENCIL SHARPENER RECEPTACLE IS FULL. IF THE RECEPTICLE IS EMPTIED IN AVERAGE OF TWICE A DAY, HOW MANY TIMES DOES SOMEONE IN A CLASS OF 20 SHARPEN A PENCIL IN A 5-DAY WORK?
   A. 12   48 X 5= 240   240 / 20= 12
   B. 24
   C. 148
   D. 240

39. EACH WEEK, A DOCTOR SEES 39 PATIENTS BETWEEN MONDAY AND WEDNESDAY, FOR 12 WEEKS. ANOTHER DOCTOR SEES 15 PATIENTS, BETWEEN MONDAY AND WEDNESDAY, FOR THE SAME TIME PERIOD. WHAT IS THE AVERAGE NUMBER OF PATIENTS THAT THE TWO DOCTORS SEE EACH DAY?
   A. 6
   B. 18
   C. 60
   D. 156

40. A FOOT LADDER CASTS A SHADOW OF 5 FEET AT THE SAME TIME THAT A TREES SHADOW IS 25 FEET. HOW TALL IS THE TREE?
   A. 12 1/2 FEET
   B. 15 FEET $\frac{10}{5}$ X $\frac{x}{25}$ =   250= 5x
   C. 30 FEET   250 / 5= 50
   D. **50 FEET**

41. A TEACHER REVIEWS 4 1/2 PAPERS PER HOUR. HOW MANY PAPERS WILL THAT TEACHER REVIEW IN EACH 6 1/3 HOURS?
   A. 10 1/5
   B. 10 5/6
   C. 24 1/6
   D. **28 1/2**

42. WHEN MEASURING MILES USING A TELESCOPE, SURVEYORS MADE AN ERROR OF 6.5 FEET PER MILE. IF THE TOTAL ERROR WAS 55.25, HOW MANY MILES WERE MEASURED?
   A. 8.5
   B. **48.75**   **55.25 – 6.5= 48.75**
   C. 61.75
   D. 359.125

43. A LAB TECHNICIAN MUST SCREEN 75 SLIDES UNDER THE MICROSCOPE EACH WEEK. IF SHE WORKS 7 HOURS A DAY, 5 DAYS A WEEK, HOW MANY SLIDES, ON AVERAGE, DOES SHE SCREEN IN ONE HOUR.
   A. 4
   B. **5**   **7 X 5= 35**   **175 / 35= 5**
   C. 25
   D. 35

44. BECAUSE OF A FLU EPIDEMIC, 36 STUDENTS ARE ABSENT. IF THIS IS 1/6TH OF THE SCHOOLS POPULATION, WHAT IS THE TOTAL OF THE POPULATION?
   A. 6
   B. 42
   C. 186
   D. **216**   **36 X 6= 216**

45. A TREES HEIGHT INCREASES 15% EACH YEAR. IF A TREE IS 25 FEET HIGH, HOW TALL WILL IT BE IN ONE YEAR?
   A. 23.15
   B. **26.45**   **23 X .15= 3.45**   **23 + 3.45= 26.48**
   C. 26.55
   D. 38.00

46. MARIA PLANS TO PLANT A POD IN HER FRONT YARD, WHICH IS SHAPED LIKE A RECTANGLEWITH DIMENSIONS 25 FEET BY 16 FEET. HOW MUCH SOD IN SQUARE FEET WILL SHE NEED TO COVER THE ENTIRE YARD?
   A. 80.
   B. 126
   C. 192
   D. 384   **24 X 16= 384**

47. A TRIANGLE WITH A PERIMETER OF 18 INCHES HAS ONE 8 INCH SIDE. FIND THE LENGTH OF EACH OF THE REMAINING TWO SIDES. IF THEIR RATIO IS 2:3?
   A. 2 INCHES, 3 INCHES
   B. 2 INCHES, 8 INCHES
   C. 4 INCHES, 6 INCHES   **18 – 8= 10 / 5= 2 X 2= 42 X 3= 6**
   D. 5 INCHES, 5 INCHES

48. WHAT IS THE VOLUME, IN CUBIC INCHES, OF A SHOE WITH THE LENGTH OF 10 INCHES, A WIDTH OF 7 INCHES AND A HEIGHT OF 5 ½ INCHES?
   A. 22 1/2
   B. 192 1/2
   C. 327
   D. 385   **10 X 7= 70 X 5.5= 385**

49. IF 8 INCHES OF SNOW MELT AND BECOMES 1 INCH OF WATER, HOW MUCH OF THE SAME KIND OF SNOW MUST MELT TO EQUAL 1 3/8 INCHES?
   A. 3 INCHES
   B. 6 INCHES
   C. 10 INCHES
   D. 11 INCHES

50. ONE HUNDRED STUDENTS TOOK A HISTORY EXAM. SEVENTY-FIVE PERCENT OF THE STUDENTS ANSWERED THE PROBLEM 30 INCORRECTLY. OF THOSE STUDENTS, 20% MISSED PROBLEM 10. HOW MANY STUDENTS MISSED BOTH PROBLEMS?
   A. 15   **100 STUDENT 75%= 75 STUDENTS.   75 X .2 (20%)= 15**
   B. 25
   C. 90
   D. 95

51. A BOY BEGAN TO CLEAN THE GARAGE AT 9:45 A.M., TOOK A LUNCH BREAK FROM 12:00 TO 12:45 P.M., AND FINISHED WORK AT 3:45 P.M. HOW MANY HOURS DID HE WORK?
   A. 4
   B. 5
   C. 5 1/4
   D. 6 1/2

52. THE DISCOUNT ON A USED CAR WAS 2.5% IF THE ORIGINAL COST OF THE CAR WAS $300, WHAT WAS THE DISCOUNT?
   A. $12
   B. $75   **3000 X .025= 75**
   C. $120
   D. $750

53. A BOARD 120 INCHES LONG DIVIDES INTO 2 SECTIONS. IF THE RATIO OF THE 2 SECTIONS IS 3:5, WHAT ARE THE LENGTHS OF THE SECTIONS?
   A. 15 INCHES, 105 INCHES
   B. 24 INCHES, 96 INCHES
   C. 40 INCHES, 80 INCHES
   D. 45 INCHES, 75 INCHES   **120 / 8 = 15   15X5=75 15X3=45**

54. TWO TRUCKS LEAVE A FACTORY AT THE SAME TIME. ONE TRAVELS EAST AT 60 MILES PER HOUR, AND THE OTHER WENT 30 MILES PER HOUR. IN HOW MANY HOURS WILL THEY BE 150 MILES APART?
   A. 1 2/3 HOURS
   B. 2 HOURS
   C. 2 1/2 HOURS
   D. 5 HOURS   60-30=30 150/30=5

55. ONE-FOURTH OF ALL TELEPHONES AT THE OFFICE HAS BUILT IN SPEAKER LINES. ONE HALF OF THE PHONES WITH BUILT IN SPEAKER LINES HAVE CONFERENCE CALL CAPABILITY. HOW MANY OF THE PHONES IN THE OFFICE HAVE BOTH A SPEAKERPHONE AND CONFERENCE CALLS CAPABILITY?
   A. 1/2
   B. 1/4
   C. 1/6
   D. 1/8   ½ X ¼= 1/8

56. HOW MUCH MONEY IS INVESTED IN AN ACCOUNT IF IT EARNS $32.59 AT A 6.5% INTEREST RATE?
   A. $50
   B. $200
   C. $211
   D. $500   32.5 / 6.5

57. A MAN FINISHED 2/3 OF A PROJECT IN 4 HOURSWORKING AT THE SAME RATE, HOW LONG WILL IT TAKE HIM TO FINISH 5/6 OF THE SAME PROJECT?
   A. 5 HOURS
   B. 6 HOURS
   C. 5/36 HOURS
   D. 2-2/29 HOURS

58. AN ATHLETE JUMPED 5.5 FEET, WHICH WAS 1.1 FEET HIGHER THAN THE PREVIOUS JUMPER. HOW HIGH DID THE PREVIOUS ATHLETE JUMP?
   A. 4.40 FEET   5.5 – 1.1= 4.4
   B. 5.00 FEET
   C. 6.05 FEET
   D. 6.60 FEET

59. A CUBE IS NUMBERED ON EACH SIDE WITH THE NUMBER FROM 0-5. IF THE CUBE IS THROWN 120 TIMES, HOW MANY TIMES SHOULD A 5 TURN UP?
   A. 20   120 / 6= 20
   B. 24
   C. 30
   D. 48

60. A COUPLE WENT BOWLING AND AVERAGED 250 POINTS IN ONE GAME. THE WOMANS SCORE WAS 50 POINTS HIGHER THAN THE MANS SCORE. HOW MANY POINTS DID THE WOMAN SCORE?
   A. 150   250 – 100= 150
   B. 225
   C. 275
   D. 300

61. AT A DEPARTMENT STORE'S SALE, ALL ITEMS WERE MRKED DOWN 30%. CERTAIN "RED TAG" ITEMS WERE MARKED DOWN AN ADDITIONAL 50%. WHAT WOULD A WOMAN PAY FOR A "RED TAG" DRESS ORIGINALLY COST $80?
   A. $16   30 + 50= 80 X .8= 64   80 – 64= 16
   B. $28
   C. $40
   D. $64

62. NEW SNOW TIRES FOR THE REAR OF A CAR WILL COST EACH $67. AN EXTRA – STRENGTH BATTERY COST $45. A COOLING SYSTEM FLUSH WILL ALSO COST AN EXTRA $37. WHAT WILL BE THE TOTAL COST TO MAKE ALL THESE WINTER CHANGES FOR THE CAR?
    A.   149
    B.   187
    C.   216   **67 + 67 + 134 + 45 + 37= 216**
    D.   261

63. A HOUSING DEVELOPER BOUGHT A PARCEL OF LAND THAT COVERED 6 3/4 ACRES. HE WANTED TO BUILD 1 HOUSE ON EACH 3/8 OF AN ACRE. HOW MANY HOUSES COULD HE BUILD?
    A.   18   **6 ¾ / 3/8= 18**
    B.   19
    C.   16
    D.   17

64. A CITY WORKER WANTS TO STABALIZE A SIGN POST BY ATTACHING A WIRE FROM THE TOP OF THE POST TO A POINT ON THE GROUND. THE POST IS 8 METERS HIGH, AND THE POINT ON TH GROUND IS 6 METERS FROM THE BASE OF THE POST. HOW LONG WILL THE WIRE HAVE TO BE FROM THE TOP OF THE POST TO THE POINT ON THE GROUND?
    A.   10 METERS   **8 X 8= 64**   **6 X 6= 36**   **64 + 36= 100 / 10= 10**
    B.   14 METERS
    C.   19 METERS
    D.   35 METERS

65. NICK AND KATE CAN PEDAL AROUND THE LAKE 4 TIMES AS FAST AS TOM AND AMY. IF NICK AND KATE GO AROUND THE LAKE 52 TIMES BEFORE STOPPING, HOW MANY MORE LAPS AROUND THE LAKE WOULD TOM AND AMY HAVE TO DO BEFORE COMPLETING THE SAME NUMBER?
    A.   13
    B.   30
    C.   39   **52 / 4= 13**   **52 – 13= 39**
    D.   48

66. A PET STORE OWNER SET THE PRICE OF A BAG OF CAT FOOD 50% ABOVE THE COST. WHEN IT DID NOT SELL, THE PRICE WAS REDUCED 20% TO $12.00. WHAT WAS THE ORIGINAL COST?
    A. $8.00
    B. $8.40
    C. $9.23
    D. $10.00

67. FORTY PEOPLE WERE EXPECTED AT A MEETING. IF THE ACTUAL TURNOUT WAS 200% OF THOSE EXPECTED, HOW MANY CAME TO THE MEETING?
    A.   20
    B.   50
    C.   80   **40 X 200= 8000 / 100= 80**
    D.   200

68. THE ODDS OF ROLLING A CERTAIN NUMBER ON A SINGLE DIE IS 1 CHANCE IN 6 ROLLS. IN THE COURSE OF A GAME, SOMONE ROLLED 3 FIVES. ACCORDING TO THE ODDS, HOW MANY TIMES MUST THAT PERSON HAVE THROWN THE DIE?
    A.   2
    B.   6
    C.   12
    D.   18   **6 X 3= 18**

69. ON A THURSDAY, A RUNNER TRAINED BY COMPLETING THREE RUNS OF 5 3/8, 2 1/4 , AND 1 1/8 MILES, RESPECTIVELY. WHAT IS THE TOTAL DISTANCE THE RUNNER RAN ON THURSDAY?
   A. 8 3/4
   B. 8 1/2
   C. 7 1/2
   D. 6

70. THE CITY ANTICIPATED 102 VENDORS FOR THE STREET FAIR. AT THE EVENT, 43 WERE ON FIRST STREET AND 21 WERE ON SECOND STREET. HOW MANY WERE ON THE REMAINING STREET IF 14 VENDORS DID NOT ARRIVE?
   A. 78
   B. 64
   C. 38
   D. 24   43 + 21 + 14= 78   108 – 78= 24

71. IF YOU HAD TO MAKE 789 NAME TAGS WITH NAMES AVERAGING 11 LETTERS EACH, ABOUT HOW MANY LETTERS WOULD YOU HAVE WRITTEN?
   A. 1578
   B. 7579
   C. 8679   789 X 11= 8679
   D. 9468

72. FIND THE AVERAGE SPEED OF A BOAT THAT TRAVELS 42 MILES IN 12 HOURS.
   A. 3.5 MPH   42 / 12= 3.5
   B. 4 MPH
   C. 126 MPH
   D. 504 MPH

73. AN ATHLETE RAN THE 100 METER DASH EACH DAY FOR 5 DAYS. HER TIME IN SECONDS WERE 16.0, 14.3, 18.7, 16.2 AND 15.3. WHAT WAS HER AVERAGE TIME FOR THE 5 DAYS?
   A. 15.9
   B. 16.0
   C. 16.1   16 + 14.3 + 13.7 + 16.2 + 15.3= 80.5   80.5 / 5= 16.1
   D. 80.5

74. ON MONDAY, THE WATER WAS SHUT OFF 3 TIMES FOR 1/4 HOURS, 2/3 HOURS, AND 1 3/4 HOURS, RESPECTIVELY.WHAT WAS THE TOTAL NUMBER OF HOURS THE WATER WAS OFF?
   A. 2 1/6
   B. 2 5/8
   C. 2 3/5
   D. 2 2/3   0.25 + 0.66 + 1.75= 2.66   2 2/3

75. A SALESMAN HAD 3 DIMES TO MAKE A $3.05 PHONE CALL, HOW MANY QUARTERS WOULD HE NEED TO ADD TO THE DIMES TO MAKE THE CALL USING EXACT CHANGE?
   A. 10
   B. 11
   C. 12
   D. 13

76. A TRAVELER DROVE 150 MILES AT 50 MILES PER HOUR AND 160 MILES AT 40 MILES PER HOUR. HOW MANY HOURS DID THE DRIVE TAKE ALTOGETHER?
   A. 3
   B. 4
   C. 6
   D. 7   150 / 50= 3   160 / 40= 40   3 + 4= 7

77. A FERRY CROSSES THE RIVER 12 TIMES PER DAY. THE RIVER IS 4.58 MILES WIDE. HOW MANY MILES DOES THE FERRY TRAVEL IN A DAY?
   A. **54.96**   **4.58 X 12= 54.96**
   B. 54.86
   C. 55.96
   D. 64.96

78. IF 4 GALLONS OF GASOLINE COST $4.32, WHAT DOES 3 GALLONS OF THE SAME GASOLINE COST?
   A. 1.06
   B. 3.24   **1.08 X 3= 3.24**
   C. 3.60
   D. 5.76

79. A PERSON SAVES $5 EVERY WEEK TO PAY HIS YEARLY TAXES. HOW MUCH HAS THIS PERSON SAVED AFTER ONE YEAR?
   A. 96
   B. 240   **3 X 4= 20**   **20 X 12= 240**
   C. 416
   D. 2848

80. COOKIES SELL FOR $2.99 A BOX.A STORE IS HAVING A SALE OF $1 OFF EACH BOX OF COOKIES PURCHASED. HOW MUCH WILL 6 BOXES COST, BEFORE SALES TAX IS ADDED?
   A. 8.94
   B. 10.94
   C. 11.94   **2.99 X 6= 17.94 6 X 1= 6**   **17.94 – 6= 11.94**
   D. 17.94

81. A GIRL IS 8 YEARS OLD. HER MOTHER IS 1 YEAR OLDER THAN 4 TIMES AS OLD AS HER DAUGHTER.HOW OLD WAS THE MOTHER 4 YEARS AGO?
   A. 28
   B. 29   **8 X 4 + 1= 33 – 4= 29**
   C. 33
   D. 37

82. A CARPENTER WORKED THE FOLLOWING AMOUNT OF TIME DURING THE WEEK: 4 HOURS 20 MINUTES, 6 HOURS AND 30 MINUTES, 8 HOURS, 5 HOURS AND 40 MINUTES, AND 7 HOURS AND 10 MINUTES. WHAT WAS THE TOTAL AMOUNT OF TIME SPENT WORKING?
   A. 23 HOURS
   B. 23 HOURS 48 MINUTES
   C. 31 HOURS
   D. 31 HOURS 40 MINUTES

83. IF A BOY GROWS 5 INCHES, HE WILL BE ONE HALF AS TALL AS HIS SISTER. HIS SISTER IS 68 INCHES TALL. HOW TALL IS THE BOY?
   A. 29 INCHES   **68 / 2= 34 – 5= 29**
   B. 31 1/2 INCHES
   C. 36 1/2 INCHES
   D. 39 INCHES

84. THE SALES STAFF AT A LOCAL CAR DEALERSHIP SOLD 5,7,7 AND 3 CARS FOR EACH RESPECTIVE WEEK IN FEBRUARY. IF THERE WERE 92 CARS ON THE LOT IN THE BEGINNING OF FEBRUARY AND 96 CARS ON THE LOT AT THE END OF THE MONTH, HOW MANY CARS WERE BROUGHT INTO THE LOT DURING THE MONTH OF FEBRUARY?
   A.   22
   B.   26
   C.   28
   D.   66

85. A CERTAIN PENTAGON HAS SIDES OF VARIOUS LENGTHS. ITS PERIMETER IS FEET. IF THE FIRST FOUR SIDES MEASURE 18 FEET, 9 FEET, 7 FEET, AND 21 FEET, RESPECTIVELY. WHAT IS THE LENGTH OF THE FIFTH SIDE?
   A.   5 FEET
   B.   11 FEET
   C.   15 FEET
   D.   55 FEET

86. IF IT TAKES 45.6 LITERS TO FILL A CARS GAS TANK, AND A TRUCKS TANK IS 3.5 TIMES AS BIG, HOW MANY LITERS WILL IT TAKE TO FILL THE TRUCKS TANK?
   A.   13.03 LITERS
   B.   35.48 LITERS
   C.   145.50 LITERS
   D.   159.60 LITERS   **45.6 X 3.5= 159.6**

87. ON A MAP 1 INCH CORRESPONDS TO 45.5 MILES. IF THE DISTANCE BETWEEN 2 CITIES IS 546 MILES, HOW FAR IS THE CORRESPONDING LENGTH ON THE MAP?
   A.   12 INCHES   **546 / 45.5= 12**
   B.   12.4 INCHES
   C.   500.5 INCHES
   D.   591.5 INCHES

88. JOE DROVE TO TOWN AND BACK IN 55 MINUTES. IF HIS DRIVE BACK TOOK 5 MINUTES LESS THAN HIS DRIVE TO TOWN, HOW LONG DID IT TAKE JOE TO DRIVE TO TOWN?
   A.   25 MIN   **55 – 5= 50 / 2= 25**
   B.   30 MIN
   C.   50 MIN
   D.   55 MIN

89. A WOMAN BUYS A COAT THROUGH THE MAIL FOR $250 PLUS 9% SALES TAX. IF ANOTHER 10% IS ADDED ONTO THEIS TOTAL FOR SHIPPING AND HANDLING, WHAT IS THE TOTAL COST OF THE COAT?
   A.   253.99
   B.   271.94
   C.   299.75
   D.   325.40

90. A THERMOMETER READ 17 DEGREES F AT 1:00 A.M. BY 2:30 A.M., TEMPERATURE HAD DROPPED 9.1 DEGREES F. WHAT WAS THE TEMPERATURE AT 2:30 A.M.?
   A.   - 26.1F   **17.0 + 9.1= 26.1**
   B.   - 8.9F
   C.   – 7.9F
   D.   + 7.9F

91. THERE ARE 399 ITEMS ADVERTISED IN A CATALOG. IF THE CATALOG IS 75 PAGES LONG, WHAT IS THE AVERAGE NUMBER OF ITEMS PER PAGE?
   A.   5.32   **399 / 75= 5.32**
   B.   2.66
   C.   324
   D.   .19

92. JAMES MOWS THE LAWN OF THE STEIL ESTATES EVERY MONTH. HE MUST EMPTY THE GRASS CATCHER 3 TIMES AN HOUR. THE GARBAGE BAGS HE USES CAN HOLD THE GRASS CHIPPINGS FROM 2 GRASS CATCHERS. IF JAMES KNOWS IT TAKES 6 HOURS TO COMPLETE THE JOB, HOW MANY GARBAGE BAGS WILL HE NEED?

A. 6
B. 7
C. 8
D. 9   6 X 3= 18 / 2= 9

93. A RADAR DETECTED 76% OF 300 AIRCRAFT FLIGHTS PRESENTED TO IT. HOW MANY OF THE FLIGHTS DID IT DETECT?

A. 208
B. 218
C. 224
D. 228   300 X 76= 22800 / 100= 228

94. THE TIME IS NOW 8:32 AND 20 SECONDS. SINCE THE LAST TV COMMERCIAL, 14 MINUTES AND 30 SECONDS HAVE PASSED. WHEN WAS THE LAST COMMERCIAL?

A. 8:17, 40 SECONDS
B. 8:17, 50 SECONDS   14.30 + 40= 14.70   8:32, 20
C. 8:18, 10 SECONDS
D. 8:18, 30 SECONDS

95. A DECORATOR WANTS TO DYE THE BOTTOM 3 DRAWERS WITH PAPER. THE BOTTOM OF EACH DRAWER MEASURES 36 INCHES BY 20 INCHES, HOW MANY SQUARE INCHES OF PAPER ARE NEEDED?

A. 1040
B. 1080
C. 2040
D. 2160   36 X 20= 720 X 3= 2160

96. THE TOTAL COST OF PANTS, HAT AND SWEATER IS $225. THE PANTS COST $10 MORE THAN THE HAT AND THE SWEATER COST $10 MORE THAN THE PANTS. WHAT IS THE COST OF THE PANTS?

A. $65   225 / 3= 75 + 10= 85 + 65= 225
B. $55
C. $245
D. $205

97. HOW MANY CUBIC CENTIMETERS OF LIQUID CAN BE PURED INTO A RECTANGULAR BAKING PAN THAT IS 45 CM BY 20 CM BY 6 CM?

A. 71
B. 1680
C. 5400   45 X 20= 900 X 6= 5400 CM
D. 8905

98. CARLOS BOUGHT 3 BOARDS OF WOOD AT THE LUMBER YARD IN ORDER TO BUILD A BOOKSHELF. THE FIRST BOARD WAS 8.5 FEET LONG, THE SECOND WAS 10.25 FEET LONG AND THE THIRD WAS 12.75 FEET LONG. WHAT WAS THE AVERAGE LENGTH OF WOOD CARLOS BOUGHT?

A. 8.5 FEET
B. 9 FEET
C. 10 FEET
D. 10.5 FEET   8.5 + 10.25 + 12.75= 31.50 / 3= 10.50

99. A CHEF MIXES HIS SALT AND PEPPER. IF HE PUTS 2/3 CUP OF SALT AND ½ CUP OF PEPPER IN HIS SHAKER, WHAT IS THE RATIO OF SALT TO PEPPER?
   A. **4/3**
   B. 3/4
   C. 1/3
   D. 1/6

100. A PAINTER CAN PAINT 4 WALLS PER HOUR. IF SHE SPENDS 8 HOURS PER DAY FOR 4 DAYS, HOW MANY ROOMS OF 4 WALLS EACH WERE PAINTED?
   A. 32
   B. 64
   C. **128**   4 X 8= 32 X 4= 128
   D. 256

101. HOW MANY FLOOR BOARDS 2 1/4 INCHES WIDE ARE NEEDED TO COVER A FLOOR 15 FEET WIDE?
   A. 34
   B. 64
   C. **80**   12 X 15= 180 / 2.25= 80
   D. 90

102. A BOAT TAKES 2 HOURS TO TRAVEL 15 MILES UPRIVER AGAINST THE CURRENT. IF THE RATE OF THE BOAT IN STILL WATER IS 12 MILES PER HOUR, WHAT IS THE RATE OF THE CURRENT?
   A. 3 MPH
   B. **4 1/2 MPH**   12X2=24 24-15=9 9/2=4.5
   C. 7 1/2 MPH

103. A MERCHANT BORROWED $650 FOR ONE YEAR AND REPAID THE BANK $682.50 AT THE END OF THE YEAR. WHAT WAS THE INTEREST RATE ON THE LOAN?
   A. 3.25%
   B. **5%**   682.50 – 650.00= 32.50   650 X .05= 32.5
   C. 32.5%
   D. 50%

104. A WOMAN HAS $9.37 IN HER POCKET AND GIVES $4.50 TO CHARITY. HOW MUCH MONEY DOES SHE HAVE LEFT?

   A. $5.87
   B. $5.37
   C. **$4.87**   9.37 – 4.50= 4.87
   D. $4.37