180 Daily Middle School Word Problems

Printables

Name:_____ Date:_____

Problem #1

Crackers contain 12 calories each and cookies contain 52 calories each. If you eat 5 crackers and 2 cookies, how many calories have you consumed in all?

Name:_____ Date:_____

Problem #2

Jenny bought a pair of pants for $19.99 and two shirts for $7.50 each. If she gave the cashier $40.00, how much change did she receive? (Assume no sales tax.)

Name:_____ Date:_____

Problem #3

184 sixth graders are going on a field trip. There needs to be one chaperone for every four students. If a bus can hold 50 people, how many busses will they need for the trip?

Name:_____ Date:_____

Problem #4

A video game you want costs $59.29 at Games R Us. The same game costs $45.88 online, but you also have to pay $6.35 in shipping and handling. How much money will you save if you buy the game online?

Name:_____ Date:_____

Problem #5

You and your friend share a package of candies. You eat twice as many candies as your friend. If there were 36 candies in the bag, how many did you eat?

Name:_____ Date:_____

Problem #6

A group of 5 friends went out to dinner. The total bill including the tax and tip came to $83.95. If they split the bill evenly, how much money does each person owe?

Name:_____ Date:_____

Problem #7

Molly gets an allowance of $25 per week. If she spends $3 each day Monday – Friday on lunch, and saves the rest, how much money will she have saved after 4 weeks?

Name:_____ Date:_____

Problem #8

Jamal is 5 inches taller than Ben and 2 inches shorter than Lacy. Lacy is 9 inches taller than her brother Zach. Zach is 4 ft 3 inches tall. How tall is Ben?

Name:_____ Date:_____

Problem #9

You buy 1.68 pounds of ground beef, 2.8 pounds of chicken, and 1.02 pounds of ground turkey. How much meat did you buy in all?

Name:_____ Date:_____

Problem #10

Billy ran $\frac{2}{3}$mi, Nancy ran $\frac{3}{4}$mi, and Heather ran $\frac{5}{8}$mi. How far did they run altogether?

Name:_____ Date:_____

Problem #11

We drove 235 miles in 4 hours. What is the average speed at which we were driving?

Name:_____ Date:_____

Problem #12

You need 2.5 pounds of potatoes. If each potato weighs 5 ounces, how many potatoes will you need?

Name:_____ Date:_____

Problem #13

You arrive at your friend's house at 7:45 on Friday night and stay over. Your mom picks you up Saturday morning. The drive home takes 18 minutes. It is 9:22 AM when you get home. How long were you at your friend's house?

Name:_____ Date:_____

Problem #14

Sandy plays tennis once every 6 six days. Jim plays once every 8 eight days. If they both played tennis today, in how many days will they play on the same day again?

Name:_____ Date:_____

Problem #15

Jarod made $12.75 mowing lawns one week. He made 3 times as much the following week. How much did he make altogether between the two weeks?

Name:_____ Date:_____

Problem #16

4 out of 100 toys were defective. How many toys would you expect to be defective if 5,000 were manufactured?

Name:_____ Date:_____

Problem #17

Cassandra needs $5\frac{1}{2}$ yards of fabric to make her dress. She has $3\frac{5}{6}$ yards already. How much more does she need?

Name:_____ Date:_____

Problem #18

I have a box that is 5 inches wide, 2 inches deep, and 4 inches tall that I want to fill with sand. How much sand can I fit inside my box?

Name:_____ Date:_____

Problem #19

You go to "Ice Cream Palace" for dessert one day. You can get vanilla, chocolate, or twist ice cream. You have a choice of rainbow sprinkles, chocolate sprinkles, or no sprinkles. You can get your ice cream in a cup or a cone and they each come in small, medium, and large sizes. How many different combinations are there in all?

Name:_____ Date:_____

Problem #20

Tickets to a hockey game cost $45. You and 3 of your friends decide to go together. How much will your tickets cost all together?

Name:_____ Date:_____

Problem #21

Your macaroni and cheese recipe calls for $1\frac{2}{3}$ cups of milk. You're having company and you need to quadruple the recipe. How much milk will you need?

Name:_____ Date:_____

Problem #22

You have 4 yards of ribbon. You need to wrap 6 equal sized boxes with the ribbon. How many feet of ribbon can you use on each box?

Name:_____ Date:_____

Problem #23

You flip a coin three times. What is the probability that you get heads all three times?

Name:_____ Date:_____

Problem #24

Your town got 3.44 inches of rain in June, 5.07 inches in July, and 4.28 inches in August. What was the average rainfall over these three months?

Name:_____ Date:_____

Problem #25

On a 20 question test, Sarah got 2 questions wrong. What percent of the test does she have correct?

Name:_____ Date:_____

Problem #26

4 out of 5 people have at least 1 pet at home. Out of 300 people, how many would you expect to not have any pets?

Name:_____ Date:_____

Problem #27

You spent $24 more than Pam. If you spent $82, how much money did Pam spend? Write and solve an equation.

Name:_____ Date:_____

Problem #28

A piece of paper is $8\frac{1}{2}$ inches wide. You tape 7 pieces of paper together to make a banner. How long is your banner?

Name:_____ Date:_____

Problem #29

Which is a better deal: 30 fluid ounces of shampoo for $3.55 or 50 fluid ounces of shampoo for $6?

Name:_____ Date:_____

Problem #30

Your bill comes to $23.55 at a restaurant. How much money should you leave for a 20% tip?

Name:_____ Date:_____

Problem #31

To rent a room for a party it costs $80 plus an additional $15 per hour. How much will it cost to rent a room for 5 hours?

Name:_____ Date:_____

Problem #32

You want to start a necklace making business. You spend $0.68 on string for each necklace and $0.25 on beads for each necklace. You sell your necklaces for $2.00 each. If you sell 30 necklaces, how much profit will you make?

Name:_____ Date:_____

Problem #33

Mrs. Bell has 24 students. Mr. Dole has 36 students in his class. The two classes are working on the same project and so the students in each class need to be split up into equally sized groups. What is the maximum number of students that can be in each group?

Name:_____ Date:_____

Problem #34

12 of the 30 students in Mrs. Smith's class are boys. What percent of the class is made up of girls?

Name:_____ Date:_____

Problem #35

Laura wants to enlarge a picture she took at the beach to hang on her wall. The picture is 3 inches tall and 5 inches wide. If she wants the enlarged picture to be 2 feet wide, how tall will it need to be?

Name:_____ Date:_____

Problem #36

There were 3 full pizzas sitting on a counter. If Joe ate $\frac{1}{4}$ of a pie, Rhonda ate $\frac{3}{8}$ of a pie, and Chris ate 4 slices, how many slices of pizza were left? (Assume each pie is cut into 8 slices.)

Name:_____ Date:_____

Problem #37

Ron was able to run a mile in 7 minutes. Fred was only able to run 4,985 feet in 7 minutes. How much further did Ron run than Fred?

Name:_____ Date:_____

Problem #38

You draw a rectangular picture that is 8 inches wide. It is 3 times as long as it is wide. What is the area of the picture?

Name:_____ Date:_____

Problem #39

A recipe calls for 3 quarts of chicken broth. How many cans do you need to buy if each can contains 24 fluid ounces?

Name:_____ Date:_____

Problem #40

A box of 30 munchkins contains 12 chocolate munchkins and 10 powder munchkins. The rest are glazed. What is the probability that you will pick a glazed munchkin if you pick one out randomly?

Name:_____ Date:_____

Problem #41

Jessica drank $3\frac{1}{2}$ glasses of water. That was twice as much as her sister drank.

How many glasses of water did Jessica's sister drink?

Name:_____ Date:_____

Problem #42

Your dad just put up a border around your square bedroom that was 48 ft long. How many square feet of carpeting will you need to cover your bedroom floor?

Name:_____ Date:_____

Problem #43

You bought 8 dvds for $22 each and 4 dvds for $13 each. What is the average price you paid for each movie?

Name:_____ Date:_____

Problem #44

Jerry weighs 95 pounds. This is 15 pounds less than Mikey weighs. How much does Mikey weigh? Write and solve an equation.

Name:_____ Date:_____

Problem #45

Samantha spent $15.88 at a department store. She spent half as much at the bookstore as she did at the department store. She then spent $12.64 at a restaurant. She now has $33.85 left in her purse. How much did she have to begin with?

Name:_____ Date:_____

Problem #46

The total cost for 5 people to go to the movies was $47.55. How much did each individual ticket cost?

Name:_____ Date:_____

Problem #47

You have a box of 50 cookies. 18% of them are sugar cookies. How many cookies in the box are not sugar cookies?

Name:_____ Date:_____

Problem #48

A bag of 3 books weighs 0.75 pounds. How much will a bag of 10 books weigh?

Name:_____ Date:_____

Problem #49

Brighton is 15 kilometers due east of Kingsburg and 13 kilometers due west of Hamilton. How many meters apart are Kingsburg and Hamilton?

Name:_____ Date:_____

Problem #50

The temperatures in my town one week in December were 3°F, 10°F, 5°F, 18°F, 7°F, 3°F, and 3°F. What was the mean temperature that week?

Name:_____ Date:_____

Problem #51

A bowling alley charges $3 per shoe rental and $4 per person per game. If you and a friend bowl 3 games and each rent a pair of shoes, how much will it cost in all?

Name:_____ Date:_____

Problem #52

One store had a 40% off sale. Another store had a 1/3 off sale. Which one had a better deal? How much better was it?

Name:_____ Date:_____

Problem #53

I got 5 peaches for $3.95. How much did each peach cost?

Name:_____ Date:_____

Problem #54

⅓ of your birthday cake is leftover from your party. If you eat ¼ of the leftover cake, what fraction of the original birthday cake is left?

Name:_____ Date:_____

Problem #55

You have a triangular-shaped pennant hanging on your wall. The base of the pennant is 18 inches. The height is 1 foot. How much wall space does your pennant take up?

Name:_____ Date:_____

Problem #56

Heather's grandmother is 5 times as old as Heather. If her grandmother is 85 years old, how old is Heather? Write and solve an equation.

Name:_____ Date:_____

Problem #57

In science class the students need to measure a plant's growth over time. The first week, the plant was 3.04 cm tall. It tripled in size the second week, and then grew another 1.9 cm the third week. How tall was the plant after 3 weeks?

Name:_____ Date:_____

Problem #58

Hotdogs come in packages of 12. Hotdog buns come in packages of 8. What is the least number of packages of each Mary can buy so that she has an equal number of hotdogs and buns? How many hot dogs and buns will she have?

Name:_____ Date:_____

Problem #59

Jack gives half of his baseball card collection to Bobby. He then looses 5 of his remaining cards. He now has 13 baseball cards. How many cards did he start with?

Name:_____ Date:_____

Problem #60

George, Paul, Rita, Tom, and Wendy are standing in line at the movie theater. Wendy is in front of Paul but behind Rita. Tom is directly in front of Wendy. No two boys are standing next to each other in line. Front to back, in what order are they standing?

Name:_____ Date:_____

Problem #61

Monique bought a shirt for $22.80 during a 30% off sale. How much does the shirt cost when it is not on sale?

Name:_____ Date:_____

Problem #62

A cookie recipe calls for $3\frac{1}{3}$ cups of flour to make 4 dozen cookies. You only want to make 24 cookies, though. How much flour should you use?

Name:_____ Date:_____

Problem #63

If you drink 10 cups of water a day, how many quarts will you drink in a week?

Name:_____ Date:_____

Problem #64

A rectangular rug has an area of 40 square feet. It is 5 feet long. How many yards wide is it?

Name:_____ Date:_____

Problem #65

Four bags of peaches weigh 5.6 pounds, 3.9 pounds, 4.9 pounds, and 6.2 pounds. What is the median weight of the bags?

Name:_____ Date:_____

Problem #66

Aaron ate $\frac{1}{2}$ as much pizza as David. If Aaron ate $\frac{1}{4}$ of a pie, what fraction of the pie did David eat? Write and solve an equation.

Name:_____ Date:_____

Problem #67

Tonya drives for 5 hours at 55 mph. How far does she go?

Name:_____ Date:_____

Problem #68

You bought a blu-ray that cost $28.68 before tax. How much did you have to pay once the 7% sales tax was factored in?

Name:_____ Date:_____

Problem #69

A track is $\frac{1}{4}$ mile. You run around the track $6\frac{1}{2}$ times. How far did you run?

Name:_____ Date:_____

Problem #70

Sally drank 7 cups of water. Tammy drank 1.5 quarts. Who drank more? How much more did they drink?

Name:_____ Date:_____

Problem #71

You want to enclose your 144 sq ft square garden. How many feet of fencing should you buy?

Name:_____ Date:_____

Problem #72

You grew 3.8 inches since last year. If you are 61.2 inches tall now, how tall were you a year ago? Write and solve an equation.

Name:_____ Date:_____

Problem #73

You walk on a trail that is $3\frac{1}{2}$ miles long on Monday. On Tuesday you walk half of a trail that is $5\frac{1}{4}$ miles long. How much further did you walk on Monday than Tuesday?

Name:_____ Date:_____

Problem #74

8% of the students in the auditorium were sixth graders. If there were 16 sixth graders, how many students were in the auditorium in all?

Name:_____ Date:_____

Problem #75

Angelo bought 3 boxes of chocolate. One weighed .75 pounds, another weighed 10 ounces, and the third weighed $1\frac{1}{2}$ pounds. How many ounces of chocolate did he buy in all?

Name:_____ Date:_____

Problem #76

Nina sells bracelets for $3 each, necklaces for $5 each, and anklets for $4 each. She sells 8 bracelets, 24 necklaces, and 16 anklets. How much money does she make?

Name:_____ Date:_____

Problem #77

I arranged my books so that I had the same number of books on each of my 4 shelves. If each shelf has 16 books on it, how many books do I have in all? Write and solve an equation.

Name:_____ Date:_____

Problem #78

Abby is 1.5 times as tall as she was when she was 3 years old. If she was 2.75 feet tall when she was 3, how tall is she now?

Name:_____ Date:_____

Problem #79

Shania is trying to wrap a box using as little wrapping paper as possible. If the box is 10 inches wide, 8 inches tall, and 8 inches long, exactly how much wrapping paper does she need to cover it?

Name:_____ Date:_____

Problem #80

Yvonne poured 520 milliliters out of a 2 liter bottle of soda. How many milliliters of soda are left?

Name:_____ Date:_____

Problem #81

You play soccer three times as long on Thursday as you did on Tuesday. If you play for 2 hours on Thursday, how long did you play on Tuesday? Write and solve an equation.

Name:_____ Date:_____

Problem #82

You are putting together goodie bags for your birthday party. You have 60 chocolate bars, 30 peanut butter cups, and 45 bags of hard candies. You want to use all of the candy and you want all of the goodie bags to be the same. What is the greatest number of goodie bags you can make? How much of each type of candy will be in each goodie bag?

Name:_____ Date:_____

Problem #83

A shirt that normally costs $18.00 is on sale for 20% off. There is a 6% sales tax. How much will you have to pay for the shirt in all?

Name:_____ Date:_____

Problem #84

Randy ran a mile in 6.2 minutes. Leslie ran a mile in 6.35 minutes. How many seconds longer did it take Leslie to run the mile than it took Randy?

Name:_____ Date:_____

Problem #85

A school has 550 students and 22 teachers. If 50 new students come to the school, how many new teachers must be hired to keep the student-teacher ratio the same?

Name:_____ Date:_____

Problem #86

Tina, Tamara, Tonya, and Tommy all work at the local ice cream parlor. Tina makes $9.00/hour, Tamara makes $9.25/hour, Tonya makes $8.75/hour, and Tommy makes $10.50/hour. What is their average salary (to the nearest cent)?

Name:_____ Date:_____

Problem #87

The 400 students that attend Jefferson Middle School were surveyed on their favorite subject. 20% of the students said that they like language arts the best. 25% said that science was their favorite class. $\frac{1}{2}$ of the students like math class the best, and the rest said that social studies was their favorite class. How many students in the school like social studies the best?

Name:_____ Date:_____

Problem #88

Charlie is 4 more than twice as old as Frank. Frank is 3 years younger than Bob. If Bob is 9 years old, how old is Charlie?

Name:_____ Date:_____

Problem #89

Barb signed up for an art club. She had to pay $50 to sign up for the club and $8 each week that she attended it. If she spent a total of $90, how many weeks did she go to the club? Write and solve an equation.

Name:_____ Date:_____

Problem #90

Sal's job pays $7.50 an hour for the first 8 hours he works a day and $1\frac{1}{2}$ times that amount for each additional hour he works per day. Sal works 10 hours a day for 5 days. How much money does he make?

Name:_____ Date:_____

Problem #91

Sue ran 2.1 miles on Monday, 1.25 miles on Tuesday and Wednesday, 3.75 miles on Thursday, and 2.5 miles on Friday. How far did she run in all?

Name:_____ Date:_____

Problem #92

At soccer practice the team had to run around the soccer field 5 times. If the field is 100 yards long and 60 yards wide, how far did the team have to run?

Name:_____ Date:_____

Problem #93

Zach got 3 questions wrong on a 40 question test. What percent of the test did he get correct?

Name:_____ Date:_____

Problem #94

In a 3 kilometer relay race, Jerry ran the first 920 meters, Freddie ran the next 1,025 meters, and Kelly ran the rest of the way. How far did Kelly run?

Name:_____ Date:_____

Problem #95

John carried 3 large crates of milk into his store that weighed a total of 252 pounds. Each crate contained 10 gallons of milk. How many ounces does each gallon of milk weigh?

Name:_____ Date:_____

Problem #96

Steven's grades on his last 8 science tests were 96, 84, 73, 96, 92, 88, 81, and 88. What is the range of his grades? What is the mode?

Name:_____ Date:_____

Problem #97

Cory has to pick out an outfit to wear to school. He has 5 pairs of pants to pick from, 18 shirts, and 3 pairs of shoes. How many different outfits can Cory make?

Name:_____ Date:_____

Problem #98

Rob bought a board that was 9 $\frac{1}{2}$ feet long. He cut off two pieces that were each 3 $\frac{3}{4}$ feet long. How much of the board is left?

Name:_____ Date:_____

Problem #99

The average temperature in Antarctica in November was -36°F. December's average temperature was 19° warmer than November's. What was the average temperature in December?

Name:_____ Date:_____

Problem #100

You bought a pizza with a diameter of 16 inches. If the pizza was cut into 8 equal slices and you ate one of them, what is the area of your slice (to the nearest tenth)?

Name:_____ Date:_____

Problem #101

How much wall space will a trapezoid-shaped poster take up if it is 2 feet tall, 1 $^1/_2$ foot wide on top, and 4 feet wide on the bottom?

Name:_____ Date:_____

Problem #102

If 5 boxes of macaroni and cheese cost $19.95, how much will you need to pay for 8 boxes?

Name:_____ Date:_____

Problem #103

Antonio weighs four pounds more than twice his brother's weight. If Antonio weighs 97 pounds, how much does his brother weigh? Write and solve an equation.

Name:_____ Date:_____

Problem #104

4 runners are competing in a race. In how many different orders can they finish the race?

Name:_____ Date:_____

Problem #105

Devon spent $23.45, $45.98, and $19.02 in three different stores. Dillon spent $30.99, $38.76, and $18.34 in the same three stores. Who spent more money? How much more did they spend?

Name:_____ Date:_____

Problem #106

Jerry lives $3\ ^{1}/_{2}$ miles away from Jake. Jerry and Jake decided to meet halfway between their houses and then walk to the park together. The park is located $^{3}/_{5}$ mile from the halfway point. How far did Jerry walk in all to get to the park?

Name:_____ Date:_____

Problem #107

Lee was 2 under par on the first hole, 3 under par on the second and third hole, 2 over par on the fourth, 5 over par on the fifth, and he made par exactly on the sixth and seventh holes. He was one under par on the eighth hole and 1 over par on the ninth. How many strokes above/below par was Lee after the first nine holes? Express your answer as an integer.

Name:_____ Date:_____

Problem #108

Julie bought a circular rug for her room with a diameter of 8 feet. If her rectangular room is 13 feet long and 14 feet wide, how much floor space is not covered by the rug? Round your answer to the nearest tenth.

Name:_____ Date:_____

Problem #109

Yvette was using a balance scale in science class. It took 3 apples to balance 15 cookies. How many cookies would she need to use to balance 5 apples?

Name:_____ Date:_____

Problem #110

Jenna bought tee shirts for $4.50 each and then sold them for a school fundraiser for $6.00 each. What is the percent of markup on the shirts?

Name:_____ Date:_____

Problem #111

Kasha drank 1 quart of water in 2 minutes. How many cups per second did she average?

Name:_____ Date:_____

Problem #112

Tia played a computer game 3 times. The median of her scores was 45. The average (mean) of her scores was 43. Her highest score was 50. What was her lowest score?

Name:_____ Date:_____

Problem #113

What is the probability that you get two even numbers if you roll two dice?

Name:_____ Date:_____

Problem #114

Deidre spent half of the money she made babysitting on new shoes. If she babysat for 6 hours and charged $8.75 per hour, how much money did she have left after shoe shopping?

Name:_____ Date:_____

Problem #115

You watched a movie that lasted $2\ ^{2}/_{3}$ hours and then went out to eat for $2\ ^{3}/_{4}$ hours. How many hours in all did the movie and dinner last? If the movie started at 3:00, what time did you finish eating?

Name:_____ Date:_____

Problem #116

Tameka ran one lap around a circular track that had a diameter of 20.5 feet. How far did she run? Round your answer to the nearest tenth.

Name:_____ Date:_____

Problem #117

How much wood do you need to build a frame around a picture that is 8 inches tall and 10 inches wide?

Name:_____ Date:_____

Problem #118

My checkerboard is 16 inches long by 16 inches wide. There are 64 playing squares on the board. What is the area of each playing square on the board?

Name:_____ Date:_____

Problem #119

The length to width ratio of wide-screen televisions is 16:9. If a TV is 30 inches long, how wide is it?

Name:_____ Date:_____

Problem #120

Meghan went to the mall and then out to eat with her friends. At the restaurant, Meghan spent 3 dollars more than $\frac{1}{2}$ the amount that she spent at the mall. If she spent $13.50 at the restaurant, how much did Meghan spend at the mall? Write and solve an equation.

Name:_____ Date:_____

Problem #121

Sandra bought an mp3 player that typically costs $120 when it was on sale for 20% off. She had to pay 7% sales tax on the sale price. How much did Sandra pay for the mp3 player in all?

Name:_____ Date:_____

Problem #122

Jan needs 1.2L of rubbing alcohol for her Science experiment. She already has 900 mL of rubbing alcohol. How much more does she need?

Name:_____ Date:_____

Problem #123

The McMahan children are 3, 24, 18, and 9 years old. What is the median of their ages? What is the mean?

Name:_____ Date:_____

Problem #124

A recipe that serves 8 calls for 2 $\frac{1}{2}$ cups of flour. How many cups of flour should you use if you want to adjust the recipe to make 12 servings?

Name:_____ Date:_____

Problem #125

Laney bought a cup of coffee and two cookies at her local coffee shop. The coffee cost $1.89. She got $1.23 back as change from the $5.00 bill she gave the cashier. How much did each cookie cost? (Assume no sales tax).

Name:_____ Date:_____

Problem #126

Sarah hiked a path that took her from 34 feet below sea level to 52 feet above sea level. What was the change in her elevation?

Name:_____ Date:_____

Problem #127

Sam drew a picture of a snowman by drawing three circles on top of each other. The bottom circle had a radius of 3 inches, the middle circle's diameter was 4 inches, and the top circle had a radius of 1 inch. Find the total area of Sam's snowman to the nearest square inch.

Name:_____ Date:_____

Problem #128

The police taped off a rectangular-shaped area around a crime scene that was 12 feet wide by 11 feet long. How much yellow caution tape did they use?

Name:_____ Date:_____

Problem #129

Gale put a 2 inch wide frame around a rectangular picture that was 8 inches x 10 inches. How much wall space will the framed picture take up?

Name:_____ Date:_____

Problem #130

Cassandra paid $23 for 4 pounds of ground beef. At that rate, how much will she pay for 5 pounds?

Name:_____ Date:_____

Problem #131

Greg made 1 more than twice as many baskets at his game on Wednesday than he made at his game on Monday. If he made 11 baskets on Wednesday, how many did he make on Monday? Write and solve an equation.

Name:_____ Date:_____

Problem #132

Ben left a 20% tip for his waiter. If he left $4.20, how much did his bill come to before the tip?

Name:_____ Date:_____

Problem #133

Pedro walks 2.4 kilometers to get to school every day. How many meters does he walk in a week if he walks to school and home from school all 5 weekdays?

Name:_____ Date:_____

Problem #134

Tyler's doctor recommended that he drink 14 fluid ounces of milk each day. If he follows his doctor's orders, how many gallons of milk will Tyler drink in the month of December? Round your answer to the nearest tenth.

Name:_____ Date:_____

Problem #135

Janie reaches into her sock drawer without looking. If she has 10 loose white socks, 4 blue socks, 2 red socks, and 4 black socks in the drawer what is the probability that both the first and second sock that Janie pulls out will be black? (She does not replace the first sock before picking the second one).

Name:_____ Date:_____

Problem #136

Shuna bought a dress that cost $58.50. She had a coupon for 20% off and a $30 gift card for the store. How much money did she have to pay out of pocket for the dress?

Name:_____ Date:_____

Problem #137

Rishab forgot to study for his math quiz! The quiz contains 3 multiple choice questions and each question has 4 answer choices. If Rishab chooses a random answer for each of the 4 questions, what is the probability that he guesses the correct answer for all 3 questions?

Name:_____ Date:_____

Problem #138

Wayne stopped 28 out of 32 shots on net. How many goals would you expect Wayne to allow on 200 shots on net?

Name:_____ Date:_____

Problem #139

The temperature in Unionville is 18° colder than the temperature in Harristown. Harristown's temperature is 4° warmer than Patterson's temperature. If it is -8°F in Patterson, what is the temperature in Unionville?

Name:_____ Date:_____

Problem #140

Anna is making a recipe that calls for $\frac{1}{2}$ teaspoon of sugar. How many tablespoons of sugar will she need if she quadruples the recipe? (1 tablespoon = 3 teaspoons)

Name:_____ Date:_____

Problem #141

Claude is filling a cylindrical bucket with water. If the pail has a diameter of 20 cm and is 25 cm tall, how much water can the bucket hold? (Use 3.14 for pi).

Name:_____ Date:_____

Problem #142

Donna bought 5 pounds of candy for $16.05. What is the average cost per pound of the candy?

Name:_____ Date:_____

Problem #143

You are making a soup recipe that calls for 2 $\frac{3}{4}$ cups of chicken broth to make 4 servings. If you want to make the soup for 6 people, how much chicken broth will you need?

Name:_____ Date:_____

Problem #144

Mrs. Tavares put the names of all of her students in a bag. If she picks a name at random, the probability that it will be a girl's name is $^{3}/_{7}$. What are the odds in favor of Mrs. Tavares picking a boy's name out of the bag?

Name:_____ Date:_____

Problem #145

Scott went out to eat with 4 friends. Their bill came to $52. They decided to leave the waitress a 20% tip. If they split the total bill (including the tip) evenly, how much money did each person pay?

Name:_____ Date:_____

Problem #146

Allyson bought a bag of cookies. She ate 3 and then gave half of the remaining cookies to her friend. She now has 5 cookies left. How many cookies were in the bag originally? Write and solve an equation.

Name:_____ Date:_____

Problem #147

Dan is 5′ 7″ tall, Matt is 64″ tall, and Tommy is 5′ 11″ tall. What is the mean of their heights?

Name:_____ Date:_____

Problem #148

Katie makes $6.50 per hour plus 8% commission on sales. If she works 8 hours on Saturday and sells $500 worth of merchandise, how much money will Katie make?

Name:_____ Date:_____

Problem #149

Jack's basement is at an elevation of -14 feet. His roof is at an elevation of 35 feet. What is the total distance from the floor of Jack's basement to his roof?

Name:_____ Date:_____

Problem #150

If you put a ball with a radius of 4 inches inside a cubical box with sides of 8 inches each, how much empty space will there be in the box? (Use 3.14 for pi and round your answer to the nearest cubic inch).

Name:_____ Date:_____

Problem #151

Christian and Tom had a competition to see who could make a better paper airplane. Christian's airplane flew 4.2 meters. Tom's paper airplane flew 53 decimeters. Who's airplane went farther? How much farther did it fly?

Name:_____ Date:_____

Problem #152

Your parents gave you $0.35 on Sunday and then gave you twice as much money on Monday as they did on Sunday. On Tuesday, they gave you twice as much money as they gave you Monday. The pattern continued for a week. How much money did your parents give you on Saturday?

Name:_____ Date:_____

Problem #153

Danielle read 5 more than half as many pages as Lisa. If Danielle read 17 pages, how many pages did Lisa read? Write and solve an equation.

Name:_____ Date:_____

Problem #154

If you run for 30 minutes at a speed of 8 miles per hour, how many feet will you have run?

Name:_____ Date:_____

Problem #155

Plain tee shirts cost $6.99 each and printed tee shirts cost $8.35 each. How much more money would it cost to buy 2 printed tee shirts and 1 plain tee shirt than it would be to buy 2 plain tee shirts and 1 printed tee shirt?

Name:_____ Date:_____

Problem #156

The speed of light is approximately 3.0×10^8 meters per second. How far does light travel in 8 seconds? Write your answer in scientific notation.

Name:_____ Date:_____

Problem #157

A dollar bill is approximately 6.14 inches long. About how long would a line of 20 one-dollar bills positioned end-to-end be in yards? Round your answer to the nearest tenth.

Name:_____ Date:_____

Problem #158

Brittney scored 2 goals in her first soccer game and 3 goals in her second game. She didn't score at all in her third or fourth games, scored 3 in the fifth game and then proceeded to score 1 goal in each of her next two games. Find Brittney's average goals per game for the first seven games to the nearest tenth. If she wants to improve her average to 2 goals per game, how many goals must she score in her eighth game?

Name:_____ Date:_____

Problem #159

You drank $\frac{1}{4}$ of a one liter bottle of apple juice. How many milliliters of apple juice are left in the bottle?

Name:_____ Date:_____

Problem #160

Janine spent $\frac{1}{4}$ of her money on lunch and another $^{3}/_{10}$ of her money on dinner. If she had $70 to begin with, how much money does she have left?

Name:_____ Date:_____

Problem #161

If you pick a card from a standard deck of cards, keep it, and then pick another card, what is the probability that both cards will be spades?

Name:_____ Date:_____

Problem #162

Sam drives 155 miles in $2\ ^{1}/_{2}$ hours. At that same rate, how far would Sam drive in 4 hours?

Name:_____ Date:_____

Problem #163

The scores for six of the golfers competing in the tournament were +5, -3, +9, -5, +13, and +1. What is the difference between the highest and lowest scores?

Name:_____ Date:_____

Problem #164

Dominic's recipe for homemade custard calls for 56 fluid ounces of milk, but he only has 1 quart of milk in his refrigerator. How many more cups of milk does Dominic need to make the custard?

Name:_____ Date:_____

Problem #165

Cecilia needs to cut a piece of cardboard into three equal-length pieces. If the cardboard is $14\ ^{5}/_{8}$ inches long, how long will each piece be?

Name:_____ Date:_____

Problem #166

Mrs. Richard's 7^{th} grade class is made up of 25 students. Her class last year consisted of 28 students. Find the percent of decrease in Mrs. Richard's class size. Round your answer to the nearest tenth.

Name:_____ Date:_____

Problem #167

How many books 2.2 inches wide fit on a shelf that is 36 inches long? How much shelf space will be left?

Name:_____ Date:_____

Problem #168

Each side of Barbara's square garden is 332 centimeters long. How many meters of fencing will she need to enclose the garden?

Name:_____ Date:_____

Problem #169

Jason spent $^{3}/_{5}$ of his money on books and $^{1}/_{3}$ of his money on clothes. What fraction of his money does Jason have left?

Name:_____ Date:_____

Problem #170

A diver descends 35 feet per minute below the surface of the water. Use an integer to represent the diver's depth after $^{1}/_{5}$ of an hour.

Name:_____ Date:_____

Problem #171

A group of 9 elephants weigh a combined 1.638×10^{4} kilograms. What is the average weight of each elephant? Express your answer in Scientific Notation.

Name:_____ Date:_____

Problem #172

A picture that is 5 inches by 7 inches is surrounded by a frame that is $1\frac{1}{2}$ inches wide all around. What is the perimeter of the picture and frame combined?

Name:_____ Date:_____

Problem #173

Grayson can read 18 pages of a book in 30 minutes. At that rate, how long would it take Grayson to read 150 pages? Express your answer in hours and minutes.

Name:_____ Date:_____

Problem #174

If you already have $235 saved and you get $12 allowance each month, how long will it take for you to save enough money to buy a new bike that costs $295? Write and solve an algebraic equation.

Name:_____ Date:_____

Problem #175

2 of the 15 students in Mrs. Hand's class have no pets, 7 students have one pet, 4 have two pets, 1 student has 3 pets, and 1 student has five pets. What is the average number of pets in Mrs. Hand's class? Round your answer to the nearest tenth.

Name:_____ Date:_____

Problem #176

Jeff noticed that the base of his triangular poster was twice as big as the height. If the area of the poster is 36 square inches, how high is the poster?

Name:_____ Date:_____

Problem #177

At the pizza parlor, Adrienne had a choice of 4 different sizes and 12 different toppings. She also had a choice of red or white pizza. How many different pizza pies could Adrienne order?

Name:_____ Date:_____

Problem #178

Aiden started his day with $38.92 in his pocket. He dropped a $5 bill, spent $6.95 on breakfast, and bought a can of soda for $0.75. Aiden bought an ice cream cone for himself and one for his friend, each of which cost $2.68. How much money did Aiden have left at the end of the day?

Name:_____ Date:_____

Problem #179

Of the 275 students graduating from Lakeview High, 84% are planning to go to college. How many students are not planning to go to college?

Name:_____ Date:_____

Problem #180

Admission to a local amusement park is $23 for adults and $17 for children. Mr. and Mrs. Bower went to the amusement park with their children. If they spent $114 in all, how many children went to the amusement park? Write and solve an algebraic equation.