

_____ 1) $100 + 200 =$

_____ 2) $\frac{342}{3} =$

_____ 3) What is the arithmetic mean of this set of numbers? Express your answer as a mixed number.
2, 3, 4, 5, 5, 12

_____ 4) Solve for x : $2x - 1 = x + 1$

_____ 5) Alex needs to finish his book for English class. The book is 14 pages long and he reads 3 pages every day. How many full days will it take him to finish the book?

_____ 6) Evaluate 25^2

_____ 7) Simplify: $\sqrt{3 + 5(6) - 5 + 6^2}$

_____ 8) Alex and Jason are racing. Alex runs 20 meters every second and Jason runs 25 meters every second. Alex starts the race 100 meters ahead of Jason. How long will it take for Jason to catch up?

_____ 9) Evaluate: $5!$

_____ 10) What is the greatest common factor of 60 and 135

_____ 11) Lindsay wants to buy each of her friends 34 presents. If Lindsay has 6 friends how many presents must she buy in all?

_____ 12) How many feet are in 1337 yards?

_____ 13) What is the positive difference between $3 \times 3 \times 3$ and $2 \times 2 \times 2$?

_____ 14) What is the slope of the line passing through the points (6, 8) and (8, 6)?

_____ 15) $\frac{3}{4} + \frac{4}{3} =$ (as an improper fraction)

_____ 16) Jack is studying for his math test. For every 5 minutes he studies, his score increases by 3 points. If Jack studied for 0 minutes, he would get a 32% on the test, how many full MINUTES must he study to get a 96%?

_____ 17) $376 + 2069 + 24 + 31 =$

_____ 18) The average of X, 10, 12, 10 is 16. What is the value of X?

_____ 19) What is the area of a triangle with a base of 100 and a height of 5?

_____ 20) How many different types of desserts could Harold make from 7 ice cream flavors, 3 cone sizes, and 5 types of sprinkles given he has to choose one of each?

_____ 21) Write in simplest radical form: $\sqrt{288}$

_____ 22) What is the 7th term in the Fibonacci Sequence 1, 1, 2, ...?

_____ 23) A line has endpoints at (6, 12) and (-2, 42). What is the midpoint?

_____ 24) What is the decimal representation of 20.19%?

_____ 25) 25 is what percent of 100?

_____ 26) What is the area of a square with diagonal of 2?

_____ 27) Chris loves to dance. If he does three dances every hour, how many dances will he make in one full week with no sleep?

_____ 28) At what point do the lines $y = x$ and $y = 4x - 3$ intersect?

_____ 29) What is the units digit of $7^3 + 10^{4029}$?

_____ 30) The angles of a triangle are $7x$, $4x$, and x . What is the measure of the second smallest angle of the triangle?

_____ 31) Find $x + y$ given: $x = \sqrt{y + 2}$ and $y = 2^4 - 2$.

_____ 32) What is 10% of 22% of 100?

_____ 33) What is the surface area of the sphere whose radius is 3 expressed in terms of π ?

_____ 34) If Emily can write 3 math problems in 30 minutes. How many math problems can she write in a full day with no rest?

_____ 35) What is the probability the sum of two fair six sided dice when rolled yield 7? (Answer should be expressed as a fraction in lowest terms.)

_____ 36) If a bag contains 34 green socks, 23 red socks, 4 black socks, and 39 white socks, what are the odds of picking a green sock out of the bag in the first draw? Express your answer in simplest terms.

_____ 37) What is the distance between two points (X, 2) and (Y, 2) if $X = 123 - 64$ and $Y = 14 - (3)(9)$?

_____ 38) In chess, standings are determined by the number of wins, losses and draws a competitor has. A win is worth 3 points, a draw is worth 1, and a loss is worth 0 points. In a tournament if Ben wins 12 games, draws 7, and loses 8 what is his current score?

_____ 39) Bryan orders Chinese food. If he orders \$9 worth of egg rolls, \$12.50 worth of rice, and \$32 worth of vegetables given that he pays for the food with three \$20 bills. What change will he get back?

_____ 40) $\frac{200}{10} =$