

Math 7 Summer Assignment #1

Perform the following operations without a calculator.

1. Find access to current prices of stocks on the stock market. Use whichever reliable source you'd like, but here is a site that should work well, finance.yahoo.com.
2. Here is a list of companies that you will look up: Amazon.com, Apple Inc., Coca-Cola, Google, Netflix.com, McDonald's, Comcast Corp., IBM, Ford Motor Company, and General Electric. (There may be multiple listings for some of these companies. If you're confused, ask your parents for guidance)
3. Find the sum of all ten listed stocks.
4. Find the difference in price between Apple Inc. and IBM.
5. Find the difference in price between Netflix.com and Amazon.com.
6. Find the difference in price between Comcast Corp. and General Electric.
7. Find the sum of the prices of Ford Motor Company, McDonald's, Coca-Cola, and Amazon.com.
8. How much more is the price of Google than the sum of the four companies' price from problem #7?
9. Find the product of the prices of Ford Motor Company and Comcast Corporation. Does this total surpass the price of Google? Netflix.com? Amazon.com?
10. Think of a big company, not listed here, that you like. Try to find it on the stock market (it may not be traded on the stock market). Compare its price to the ones we've researched here. To which stock is it closest in price? Find the difference in these prices.
11. Can you find the single most expensive stock on the market? Remember, this is not the company worth the most, rather it is just the stock share with the highest price.

Math 7 Summer Assignment #2

Here are some basic skills to work on....

Multiply.

1) 27×65

2) 1234×5678

3) 1.025×0.346

4) 283.2×2.701

5) $\frac{3}{5} \times \frac{10}{21}$

6) $\frac{14}{9} \times \frac{6}{7}$

7) $3\frac{1}{2} \times 4\frac{2}{3}$

8) $\frac{10}{3} \times 6\frac{3}{4}$

9) $29\frac{9}{11} \times 0$

Divide.

10) $24 \overline{)29952}$

11) $368 \overline{)1155.52}$

12) $\frac{5}{6} \div \frac{20}{27}$

13) $4\frac{1}{4} \div 3\frac{1}{2}$

14) $0 \div 8\frac{7}{8}$

Simplify.

15) $48 \div 12 + 6 \times 3 - 25 \div 5$

16) $4 \times (23 - 15) \div 16 + 4$

17) $6^2 \div 9 - (20 + 24) \div 11$

18) $2^3 \times 6 - 3^3 \div 9 + 11$

Evaluate the expression when $x = 2$, $y = 3$, $z = 4$

19) $18 - z$

20) xy

21) $8z - 5y$

22) $5x + 4z$

Tell whether the equation is true or false for the given value of the variable.

23) $x + 18 = 33$; $x = 17$

24) $y - 23 = 49$; $y = 72$

25) $m \div 9 = 7$; $m = 72$

26) $12 \times t = 72$; $t = 7$

27) $3a + 5 = 17$; $a = 4$

28) $19 - 5y = 14$; $y = 1$

Insert $<$, $>$, or $=$ to make the statement true.

29) 2.32 _____ 2.302

30) 0.00391 _____ 0.010039

31) $12 + 11$ _____ $46 \div 2$

32) 12×4 _____ $86 - 39$

Place in order from least to greatest.

33) 65.65 , 65.56 , 65.565 , 65.656

34) 0 , -2 , -4 , 3 , 2 , -1

Write the operation symbol that corresponds to each mathematical term.

35) Difference

36) Product

37) Sum

38) Quotient

Math 7 Summer Assignment #3

Go to the website <http://hoodamath.com/worksheets/#factorfeeder>. Scroll to find the game “Factor Feeder.” First, click on “play the game”, and learn how the game is played. After playing this for a while, go back to the first page and click on the “PDF Worksheets” link to get a hard copy to complete and bring to class in the fall.

Repeat the same steps as in the previous paragraph, but play “Fraction Poker” this time.

Math 7 Summer Assignment #4

Go to the website Calculationnation.org. If you are not already a registered member, create your own member profile. This should only take a couple of minutes, and will be important for class in the fall. After joining, go to the Play Games tab, which will take you to a page with many games listed. Spend 20 minutes apiece learning and playing the following games: Factor Dazzle, Fraction Feud, Prime Time, Times Square, and Dig It.

*There will be no written component to this portion of the summer work. Please follow the time guidelines listed.