Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classwork

1. You spent 8 ¼ hours in high school each day. You have lunch for 45 minutes and you spend 30 minutes changing classes. If all of your 7 classes are the same length in time, how long is each class?
2. You are having a fund raiser for new basketball uniforms and you need to raise more than $600. So far, your group of 6 members has raised 10% of the funds. Which inequality shows how much money each group member must raise if they all raise the same amount?
3. G < $95 b) G > $95 c) G < $90 d) G > $90
4. You are at the store in the fruit section. You pick up a bag of 12 apples for $3.84. Which equation relates the cost, c, of a bag of apples to the number of apples, a, in the bag?
5. C = 3.84a b) C = 3.20a c) C = 0.32a d) C = 0.38a
6. A circular garden has a diameter of 16 feet. What is the area of the garden? (Formulas for circles: C = πd; C = 2πr; A = π$r^{2}$)
7. Which scenario could be represented by the expression -10 + 10?
8. You buy a pizza for $10 and give the pizza man $10
9. You owe $10 to your friend and then borrow $10 from your friend
10. You put $10 in the bank and your account started with $10
11. You pay a cab driver $10 to take you home then you give him a $10 tip
12. You go to BestBuy to buy a TV for $429.99. When you get to the store, the TV is on sale for 30% off. Your brother works at BestBuy and can get an extra 15% off the sale price. The tax of 8% is applied after the discounts. How much, to the nearest dollar, will you pay for the TV?
13. You and a friend have 4 days to drive 1084 miles. You want to complete 80% of the drive by the start of day 4. Which of the following is the closest to the distance you should drive each of the first three days?
14. 217 miles b) 271 miles c) 289 miles d) 361 miles