

3.21.16 Class Activity: Write and Solve Equations from Word Problems III

Do the following four things for each problem:

- Write the equation as complete as possible to include all the information.
- Solve the equation.
- Answer the question(s) in complete sentences.
- Check. Does your answer(s) make sense? Why?

1. For a field trip, 331 students went to the museum. Most of the students rode on the 6 buses provided by the school, but 7 students traveled in cars. If the same number of students rode each bus, how many students were in each bus?

a.	c.
b.	d.

2. Ivan was broke (as usual!) Then he got his weekly allowance, but because he has a hard time saving money, he spent half his weekly allowance playing mini-golf. He then earned 4 dollars cleaning out his parents' car. If he now has \$12, how much is his weekly allowance?

a.	c.
b.	d.

3. The cooking club made some pies to sell to raise money for new math books. The cafeteria contributed four pies to those made by the club. All of the pies were then cut into five pieces each and sold by the piece. There were a total of 60 pieces to sell. How many pies did the club make?

a.	c.
b.	d.

4. Jan bought 2 shirts (same style and cost but different colors) and 2 pair of pants (same style and cost but different colors). Each shirt was \$3 less than a pair of pants. She spent \$49.80 (before tax). What is the price of a shirt? What is the price of a pair of pants?

a.	c.
b.	d.

5. Tom was training for a marathon. During the first week he ran a certain distance. The second week he ran 1.5 times further than the first week. During the third and fourth weeks, he ran 3 miles more than twice what he ran the first week. He ran a total of 136 miles in those four weeks. How many miles did he run each week?

a.	c.
b.	d.

6. Cassie and Tom wanted hamburgers for lunch. Cassie ordered a hamburger for \$4 and an order of fries. Tom ordered twice Cassie's order. The total price was \$16.65 (before tax). What is the cost of one order of fries?

a.	c.
b.	d.

7. Lupe and Carlos work in an office. Carlos makes \$16,000 less than twice Lupe's salary. The sum of their two salaries is \$104,000. How much are their salaries?

a.	c.
b.	d.

8. The neighborhood candy store sold 336 candy items this week. Twice as many M&Ms were sold as Snickers, and three times as many Crunch bars were sold as Snickers bars. How many of each kind of candy were sold this week?	
a.	c.
b.	d.

9. Paul and Ringo went to the music store. Paul bought some guitar picks for \$6 and a package of guitar string. Ringo bought some new drumsticks for \$8. Then Paul remembered he had a coupon for \$5 off. The final bill after the coupon was \$15. How much was the package of guitar string?	
a.	c.
b.	d.

10. Steve, Tyrel, and Josh spent a total of \$20 at the soccer game. It costs \$3 for each one of them get into the game. Each boy also bought a program. Josh bought a foam hand to wave in the bleachers. The foam hand was \$5. What is the cost of one program?	
a.	c.
b.	d.

11. A total of 960 students attend Bosco Middle School. Some students walk to school, some ride the bus, and the rest come by car. The ratio of bus-riders to walkers to car riders is 6:3:1. How many students come to school by each form of transportation?	
a.	c.
b.	d.

12. Mr. Manycattle drove to Mexican Hat, Utah from southern New Mexico in 4 days. On Monday and Wednesday, he traveled exactly the same distance. On Tuesday, he traveled 2 times as far as he did on Monday, and on Thursday, he traveled 3 times as far as he did on Monday. If the total trip covered 602 miles, how far did Mr. Manycattle travel each day of his trip? Which fraction describes the part of the trip covered on each day?

a.	c.
b.	d.

13. Ana had \$60 to spend at the mall. She bought 2 shirts for \$12.99 each, and 3 pounds of candy for \$2.89 per pound. How much money does she have left?

a.	c.
b.	d.