NAME_____**DATE**_____**PER.**_____

Review: Solving Equations – Part 1

Solve each equation. SHOW ALL WORK!

1. $a - 12 = 17$ a = _____	2. $32 = -4w$ w = _____
3. $24 = 6 - 3v$ v = _____	4. $\dfrac{n}{6} - 5 = 3$ n = _____
5. $6r + 15 = -27$ r = _____	6. $-15 = \dfrac{c}{5}$ c = _____
7. $-13 + m = 17$ m = _____	8. $-\dfrac{4}{5}x = -28$ x = _____
9. $1.5d - 0.5 = 7$ d = _____	

Write an equation for each problem and solve.

10. This year's junior class at San Jose High School has 94 more students than last year's. If there are 874 juniors this year, how many students were there in last year's junior class?

Equation:_____

11. The difference of a number and 17 is -12. Find the number.

Equation:_____

12. Selena withdrew $150 from her savings account. After the withdrawal she has $564. How much money was in Selena's saving account before she made the withdrawal?

Equation:_____

13. Tyler deposited $50 into his savings account. After the deposit he has $69. How much money was in Tyler's saving account before he made the deposit?

Equation:_____

14. The product of 8 and a number is the same as 120. Find the number.

Equation:_____

15. After taxes, Hillary's take-home pay is $\frac{2}{5}$ of her salary before taxes. Find Hillary's salary before taxes if her take home pay was $288.

Equation:_____

16. Mr. Adams works at the local clothing store. His base salary is $250 a week plus an additional $\frac{1}{4}$ of his sales. If his total salary for the week is $462.50, what were his total sales for that week?

Equation:_____

17. Megan had a coupon for $5 off the purchase of one item. She decided to buy a shirt that was on sale for $\frac{3}{4}$ of its original price. After using the coupon Megan only paid $19 for the shirt before taxes. What was the original price of the shirt?

Equation:_____

18. To rent a car from The Car Rental Place Juan must pay $20 plus an additional $1.50 per mile that he drives. If Juan has a total of $350 to spend on renting a car, how many miles can he afford to drive it?

Equation:_____

19. A moving company charges $1200 for the supplies needed to pack up a small house and an additional $90 per hour to do the loading and moving. If the cost of moving is $1740 how many hours did the moving company need to move the small house?

Equation:_____

20. Jessica works for a local real estate company and earns a commission of 6% on each house she sells. What was the sales price of the last house she sold if she made a commission of $8100?

Equation:_____

STUDY!

- Math Words
- Word problems from Topic 1-1
- Flip Words

Answers in random order: 30, 15, -6, 780, 32, 220, 48, 714, 6, 29, 720, 135,000, -7, 35, 5, -75, 850, 5, -8, 19,