NTI DAY #7

(weather-closed school day)

PACKET SEVEN

(Math)

General Directions:

Due to weather, Harrison County Schools are closed. In an effort to utilize this day on the school calendar, your child is assigned and should work on this "packet" of school work today. It will count as a grade for this subject. The work attached is specific to the subject listed above. Please contact your child's teacher of this subject at 234-7123 in the event you/your student have questions on this packet. Staff and teachers reported to HCMS today and are available should you have questions.

While this is DUE no later than the last school day before the 3rd nine-weeks ends, we ***strongly encourage*** students to turn it in to their teacher as soon as it's complete (soon after the NTI day) to avoid it being lost, eaten by the family pet, burned to keep warm, etc ☺

Math 6 NOTES (8.1) Name _____

Solving One-Step EQUATIONS – Addition/Subtraction

- An equation is a math sentence that **DOES** contain an equal sign.
- The goal of solving an equation is to **find the value of the variable.**
  - We do this by **isolating** the variable on one side of the equation using **Inverse Operations!**
    - **Inverse operations** "undo" each other!

Operation	Opposite
+	-
-	+
×	÷
÷	×

Inverse of addition? _____

Inverse of subtraction? _____

Inverse of multiplication? _____

Inverse of division? _____

Examples:

John has x apples. If he adds 5 apples to his pile, he will have 8 apples.
What is the value of x?

Write an equation: $x + 5 = 8$

$-5 = -5$

$x = 3$

Answer: John had 3 apples before he added to his pile.

Check: $3 + 5 = 8$

Maddie has *x* dollars. After spending $90 on a purse, she will have $45. What is the value of *x*?

Write an equation: $x - 90 = 45$

$+90 = +90$

$x = 135$

Answer: Maddie had $135 before she bought the purse.

Check: $135 - 90 = 45$

Let's Practice!

1. $x + 2 = 10$

$x + 0 = \square$

Check:

2. $y - 8 = 15$

$y - 0 = \square$

Check:

3. $a + 9 = 2$

$a + 0 = \square$

Check:

Math 6 Practice (8.1) Only solve the Odd problems

Solve

1) $x + 7 = 18$

2) $a - 15 = 22$

3) $83 = y - 17$

4) $c - 3 = 6$

5) $x + 8 = 18$

6) $y - 5 = 4$

7) $6 + z = 10$

8) $p - 5 = 15$

9) $4 + m = 12$

10) $g + 44 = 50$

11) $x - 9 = 2$

12) $a + 10 = 17$

13) $y - 4 = 19$

14) $b - 17 = 12$

15) $3 = d + 2$

16) $i + 13 = 27$

17) $y - 4 = 6$

18) $x + 5 = 8$

19) $x - 4 = 9$

20) $24 = n + 13$

21) $d - 9 = 11$

Only solve the even problems!

Multiplying and Dividing

19) $2x = 16$

20) $15 = 3t$

21) $\frac{k}{2} = 6$

22) $3h = 27$

23) $\frac{j}{3} = 4$

24) $6p = 30$

25) $\frac{n}{10} = 40$

26) $\frac{h}{4} = 15$

27) $9s = 81$

28) $14 = 2c$

29) $26 = 13d$

30) $6 = \frac{m}{3}$

31) $7 = \frac{p}{5}$

32) $4w = 16$

33) $\frac{f}{3} = 9$

34) $20 = 4x$

35) $3z = 36$

36) $10 = \frac{j}{6}$