Algebra Test Review ©

Please also review your math spiral, math textbook (pages 164-167, 124-125, and 128-129)

and ite	20)
Name: _	
Number:	

Solve for the variable. 1. $y - 5 = 0$	v= 5
> ' +5 +5 2.7+y=12	v= 5
-7 -7	v= 3
3. $8 + y = 11$ 4. $y - 9 = 12$	v= 21
La La	,

multiplication

5. Isaiah earns \$8 for every cup he sells. Fill out the function table if he sells 12, 13, and 14 cups. Use for the input variable and(y) for the output variable.

12 8. 12:y \$94 13 8.13:y\$104	9	89=4 Y
13 8.13:45104	12	8. 12:y \$96
	13	8-13=45104
14 8. 14= y \$ 112	14	8-14=y \$ 112

6. Solve using PEMDAS:
$$7 + (10-1) \div 3 + 5$$

$$7 + 9 \div 3 + 5$$

$$7 + 3 + 5$$

7. Write an equation for \$60 split among 3 friends. Use f for your variable.

8. Abby has a coupon for \$8 off the price of an item. If k represents the original price of a shirt, write an expression that tells Abby's cost when she uses the coupon.

9. Mrs. Batten has 42 yards of fabric. She uses 8 yards for a project and then buys 4 more yards from the fabric store. Write a number.

sentence can be used to show the amount of fabric she has left.

no equal signs Write an algebraic expressions for each of the

following (use(h) for your variable):

- 10. four times a number, plus 12 4n + 12
- 11. seven less than a number times 3
- 12. fourteen minus three times a number 14-3n

Divide using Standard Algorithm:
$$022788$$

13. $5,456 \div 24 =$
 2415456
 $\times 6 \times 7$
 144168

14. $\times 6 \times 7$
 144168

Divide using Compatible Numbers: 14. $3,527 \div 72 =$

$$35|27 + 72$$

$$\sqrt{3500} + 70$$

15. Finish the Function Table:

***************************************	b	7b + 8 = m	m
	2	7x2+8=m	
	3	7x3+8=m	29
	4	7x4+8=m	

16. One of the American lizard's favorite foods is ants. It can eat up to 60 ants per minute. How long would it take it to eat 540 ants?

54¢+6	ø	minutes
	7	

17. Solve. 12/n if n = 4.

18. Show an equation that models Distributive

19. Fill in the part-part-whole diagram to represent the following equation:

Write an integer that represents the following 20. Jen earned 9 points. +9 does not + require a sign

22. Solve using standard algorithm

23. Suzanne bought 4 boxes of cookies for a party. Each box contained 75 cookies. Write a number sentence that could be used to find [out how many cookies were left if 3 dozen were eaten at the party

 $(4 \times 75) - (3 \times 12)$ 24. Review the Order of Operations Diagram in your math spiral. Make sure you understand what each operation is. -> Review

Review

45. Fill in the multiplication diagram to match the following equation:

$$3b = 90$$

Ь	Ъ	P	
	90		

Solve using standard algorithm (decimal must be very clear in your final answer).

 $24.6 \div 8.2 =$

28. Fill in the missing blanks regarding the Distributive Property:

$$87 \times 30 = 30 \left(\frac{90}{90} - 3 \right)$$
$$= (30 \times 90) - (30 \times 3)$$

21. I dropped off 17 friends.

DOES require = 2610 a negative sign