How to play Goat-Worm-Slug

O	G	A	T	W	R	M	S	L	U
0	1	2	3	4	5	6	7	8	9

In Goat-Worm-Slug each digit in the answer to a problem represents a letter according to the code above.

Materials:
Dry erase boards, markers, erasers

To play:

The dealer gives each player a problem card and everyone works on their answers at the same time. When everyone completes their problems, check the answers with the key. Players with the correct answers get to scratch out letters on their game boards according to the code above.
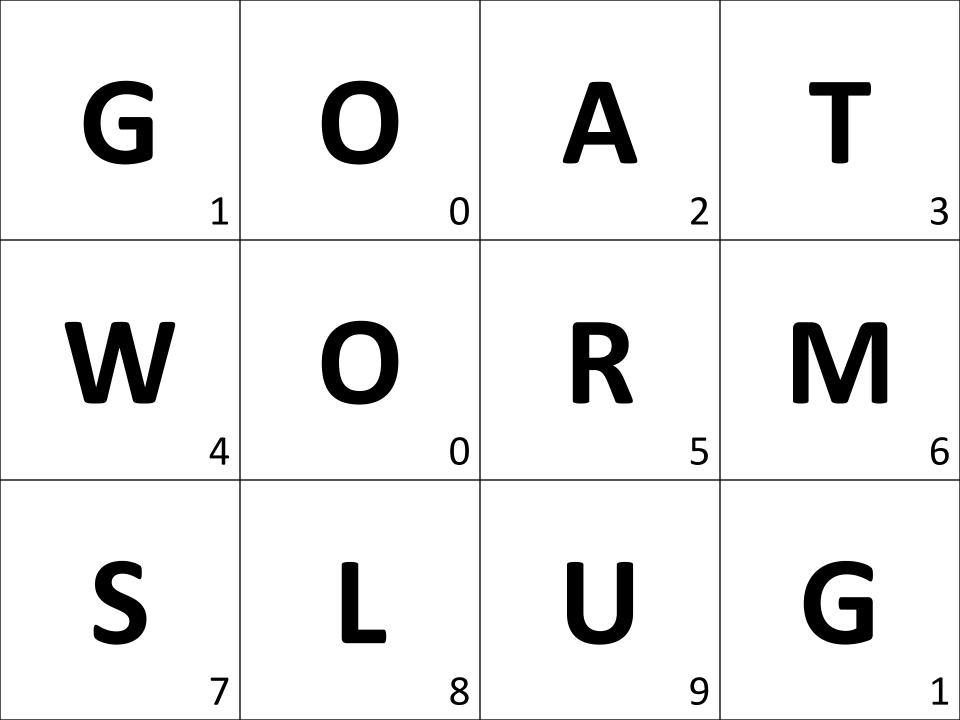
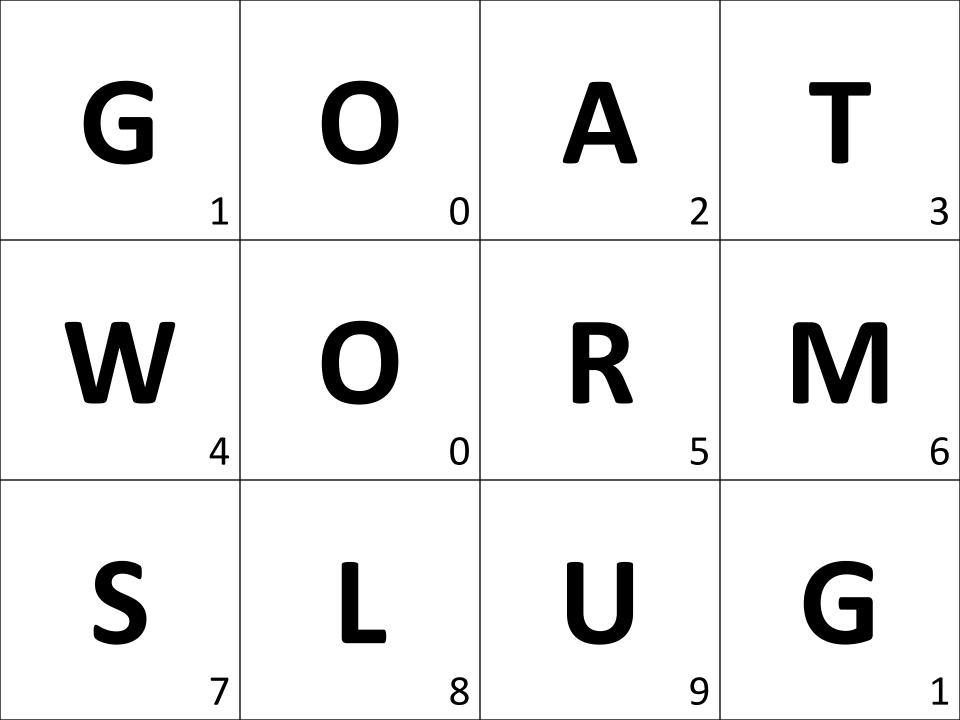For example, if the answer to a problem is 819, the player can scratch out L,G and U on his/her game board.
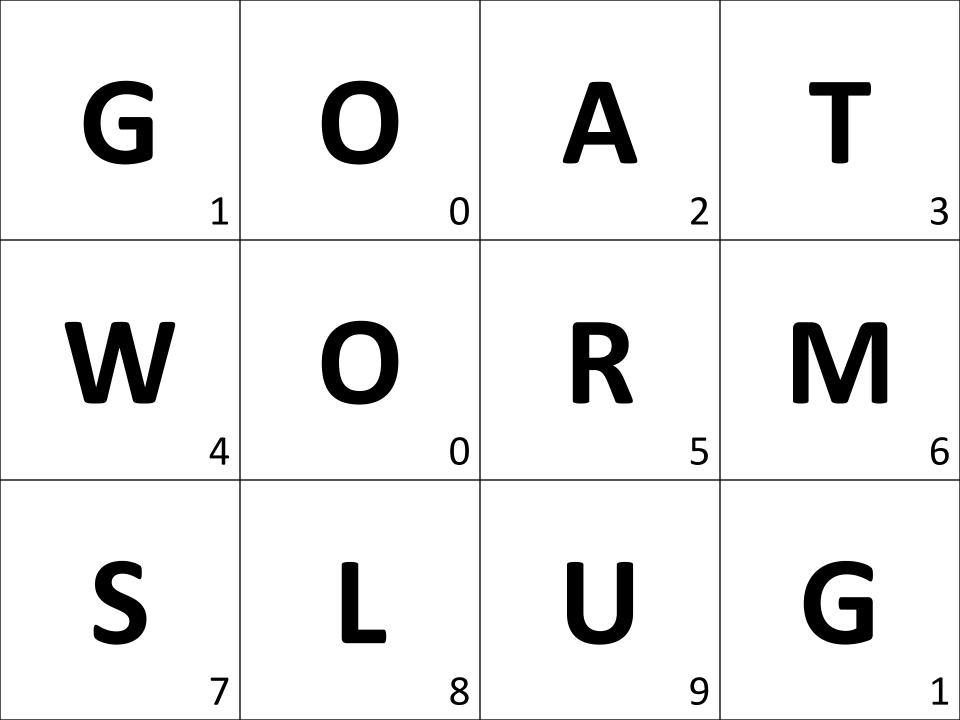
To win:
First player to scratch out Goat, Worm and Slug on the game board wins.

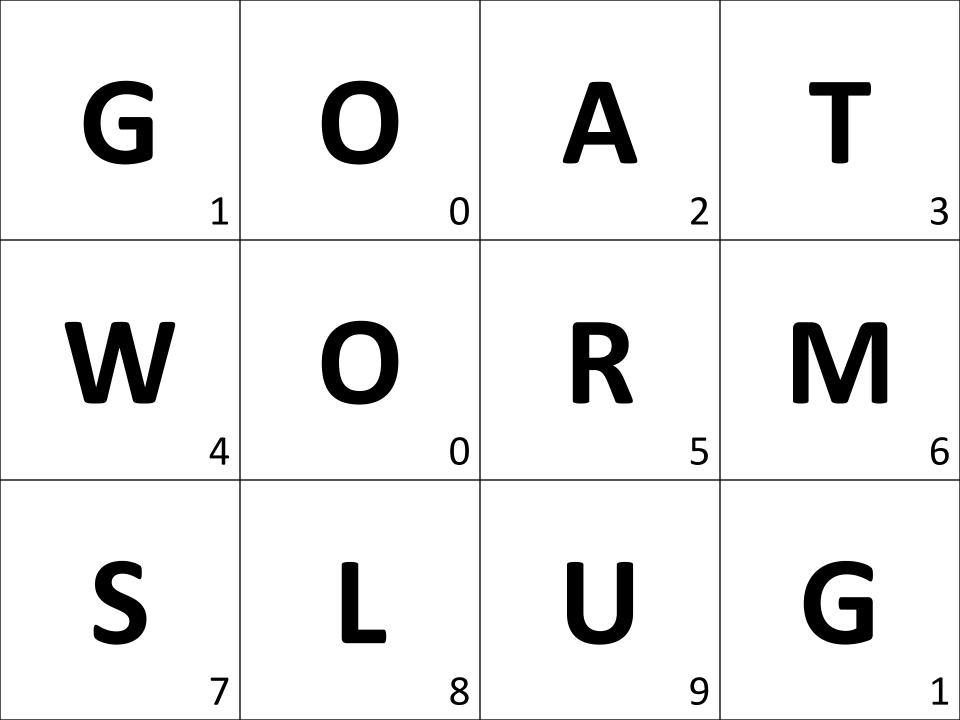**Variation:** for a shorter game, first player to scratch out Goat, Worm or Slug wins, or first player to scratch out two words wins.

Printing: Landscape, black and white, one-sided, flip on short side. Laminate scorecards to use dry erase.

G 1	O 0	A 2	T 3
W 4	O 0	R 5	M 6
S 7	L 8	U 9	G 1

G 1	O 0	A 2	T 3
W 4	O 0	R 5	M 6
S 7	L 8	U 9	G 1

G 1	O 0	A 2	T 3
W 4	O 0	R 5	M 6
S 7	L 8	U 9	G 1

G 1	O 0	A 2	T 3
W 4	O 0	R 5	M 6
S 7	L 8	U 9	G 1

5.3.B-Multi-Step Word Problems
Practice: Goat-Worm-Slug

1 (72 – 33) X 435 = 16,965	**2** (7,743 X 6) + 6,005 = 52,463	**3** (83-5) X 14 = 1,092	**4** (3,708 X2) +1,215 = 8,631	**5** (325 X 54) + 1,250 = 18,800	**6** (23 + 17) X 65 = 2,600
7 (23-6)X 4,636 = 78,812	**8** (4,782 + 3,651) X 5 = 42,165	**9** (82 X 60) + 45 = 4,965	**10** (12 – 3) X 77 = 693	**11** (804 + 32) X 79 = 66,044	**12** (47 – 16) X 908 = 28,148
13 (4,249 + 53) X 9 = 38,718	**14** (80 + 15) X 52 = 4,940	**15** (905 X 80) + 1,235 = 73,635	**16** (9,630 + 4,732) X 5 = 71,810	**17** (24 X 83) + 72 = 2,064	**18** (394 X 71) + (400 X 9) = 27974 + 3600 = 31,574
19 (3,923 X 9) – 7,619 = 27,688	**20** (49 X 55) + 49 = 2,744	**21** 977 X (45-14) = 30,287	**22** (256 X 32) + (5 X 50) = 8,192 + 250 = 8,442	**23** (13 X 18) + (7 x 6) = 234 + 42 = 276	**24** 6,024 X (10 + 5) = 90,360
25 (65 X 24) – 1,375 = 185	**26** (8,117 + 9,675) X 2 = 35,584	**27** (97 X 64) X 3 = 18,624	**28** (83 X 163) + (10 X 950) = 13529 + 9500 = 23,029	**29** (34 X 986) + 250 = 33,774	**30** (625 X 3) – 127 = 1,748

1. Abigail had 72 ant beds in her yard, but she got rid of 33 of them. She read that there were an average of 435 ants in every ant bed. If that is true, how many ants are living in the remaining ant beds in Abigail's yard?

2. Asher's pin factory has made 7,743 pins for each of the last 6 days, and then made another 6,005 pins today. How many pins is that in all?

3. Finn works at a candy store. He filled 83 bags of extra fancy chocolates, with 14 chocolates in each bag. Unfortunately, his dog Skippy buried 5 of the bags in the back yard and Finn can't find them. How many chocolates does Finn have in the bags that are left?

4. Anthony works at the zoo. He feeds a mother and father elephant who each eat 3,708 pounds of food a day. He also feeds a baby elephant that eats 1,215 pounds of food a day. How much does the elephant family eat in a day?

5. Brianna raises money for a sea animal rescue group. This month she got 54 donations for $325 a piece and one extra special donation for $1,250. How much money did Brianna raise this month?

6. Carlotta the Cavity Queen eats WAY too much candy. Last month she ate 23 bags of butterscotch candies and 17 bags of cinnamon red-hot candies. Each bag of candy had 65 pieces. How many pieces of candy did she eat in all?

7. Hamburger Heaven offers a 5-patty burger called the "Zipper-Ripper." It has 4,636 calories. Charlie the Chowhound ordered 23 Zipper Rippers, he gave 6 of them to his 6 best friends and he ate the rest. How many calories did Charlie the Chowhound consume?

8. An average of 4,782 girl babies and 3,651 boy babies were born each day in the USA in 1976. How many babies is that for 5 days?

9. Deion is packing up basketballs for the Olympics. He has packed 82 crates with 60 basketballs each, plus he has another smaller crate with 45 more basketballs How many basketballs is that in all?

10. Alexis is in charge of buying football helmets for a large school district. She bought 12 cases of helmets with 77 helmets in each case. Unfortunately, 3 of the cases of helmets fell off the delivery truck and were lost. How many helmets does Alexis have left?

11. Chloe makes colorful necklaces. Each necklace has 804 small beads of all different colors and 32 larger jade beads. She just got a large order for 79 necklaces. How many beads in all will she need to make all those necklaces?

12. Aniya makes sculptures out of butter. Her most popular sculpture is a cow. Each cow requires 908 pounds of butter. She recently sculpted 47 butter cows for a big dairy convention. Unfortunately, 16 of the cows were left out in the sun and melted. How many pounds of butter were left in the remaining cows?

13. Esmeralda is the jeweler for the Kingdom of Hasmuchia. The Queen of Hasmuchia has 9 daughters, and Esmeralda is making identical jeweled tiaras for the princesses to wear to a festival. Each tiara will have 4,249 sparkling diamonds and 53 remarkable rubies. How many jewels will that be in all?

14. Garrison makes specially designed decks of playing cards. He hand paints each card. So far, he has made 80 decks and each deck has 52 cards. He wants to make 15 more decks by the end of the year. How many hand painted cards would that be in all?

15. Minerva loves polka dotted dresses. She has 80 dresses that have exactly 905 polka dots each. She also has a polka dotted raincoat with 1,235 dots. How many dots is that in all?

16. The elves at Santa's Candy Cane Factory can make 9,630 candy canes Monday through Friday, and an additional 4,732 canes if they work on Saturdays. During the Christmas rush they worked Monday through Friday and Saturday for 5 weeks. How many candy canes did they make?

17. Brianna works for a sea animal rescue group. So far, she has rescued 83 baby sea otters. They each eat 24 sardines a day for breakfast. She also rescued one baby Walrus that eats 72 sardines for breakfast. How many sardines is that each day?

18. Muscular Marvin loves doing sit ups. He has done 394 sit ups a day for the last 71 days, and he plans to do 400 sit ups a day for the next 9 days. How many sit ups will that be in all?

19. Aunt Jean, the ant farmer, bought 9 ant farms. Each farm had 3,923 ants. Unfortunately, 7,619 of the ants were eaten by Uncle Joe's Anteater, Fred. How many ants does Aunt Jean have left?

20. Annoying Albert had 49 plastic spiders. Albert's best friend, Emeline, had 55 TIMES as many plastic spiders as Albert. That is SUPER annoying! How many plastic spiders did Albert and Emeline have all together?

21. Dr. Sylvia the Scientist has invented a new mosquito killing pill. For every pill you take, 977 mosquitos who bite you will die instantly! You bought a bottle of 45 pills, but you dropped 14 of them down the drain when you opened the bottle. How many mosquitos can you kill with the pills you have left?

22. Anthony works at the zoo. He is in charge of keeping track of the spots on the leopards. The zoo has 32 adult leopards with 256 spots each, and 5 baby leopards with 50 spots each. How many spots is that in all?

23. Elaine's Exotic food Emporium is running a special on giant chocolate-covered dill pickles for just $13 a piece! You have 18 cousins. You get each one of them a giant chocolate-covered pickle. You also get each of your 7 aunts a gallon of Mac & Cheese ice cream for $6 a gallon. How much is all this going to o cost you?

24. There are 6,024 students in the Hasmuchia Independent School District. The Queen of Hasmuchia would like to buy each student 10 silver-encrusted pencils and 5 gold-encrusted pencils to start the new school year. How many pencils in all does the queen need to buy?

25. Kimber was making cookies for the soccer tournament. There are 65 teams participating and he made 24 cookies for each team. The players ate 1,375 cookies. How many cookies did Kimber have left over?

26. The Queen of Hasmuchia bought two identical unicorns with two identical golden saddles for her twin daughters to ride in the Hasmuchia Independence Day parade. The unicorns were $8,117 a piece, and the saddles were $9,675 a piece. How much did all this cost the queen?

27. Finn works at a warehouse. He has packed 97 cases with 64 flashlights in each case. Now he needs to pack enough batteries for all those flashlights. If each flashlight takes 3 batteries, how many batteries does Finn need to include?

28. Anthony works at the zoo. His zoo has 83 tiny spider monkeys who each eat 163 pounds of monkey chow per year. The zoo also has 10 larger howler monkeys who eat 950 pounds of Monkey chow in a year. How many pounds of monkey chow is that per year?

29. Brianna works for a sea animal rescue group specializing in rescuing Manatees. She has rescued 34 adult Manatees that weigh an average of 986 pounds a piece, and one baby manatee that only weighs 250 pounds. How many pounds of Manatee has Brianna rescued altogether?

30. Ridiculous Rachel planned to make lots of money selling mustard, ketchup and pickle flavored ice creams. She made 625 gallons of each of the 3 flavors. Unfortunately, she only sold 127 gallons in all. How many gallons of ice cream does she have left?