Math Land

Strands:

Number & Operations	X
Algebra	
Measurement	X
Geometry	
Data & Probability	

Materials:

- 1 die
- *Math Land* gameboard
- *Math Land* game cards
- Game pieces (coins, buttons, beans)
- Pencil
- Paper

Where?

Outside	
Inside	X
On-line	
On-site	

Use your number sense to travel through Math Land in this game for 2 to 4 players.

Set-Up:
- Cut out the *Math Land* game cards. Place them face down next to the gameboard.
- Place a game piece for each player on 'Start.'
- The player wearing the most buttons goes first.

Object of the Game: Improve your number sense as you solve place value riddles, add, subtract, multiply, divide, and round numbers.

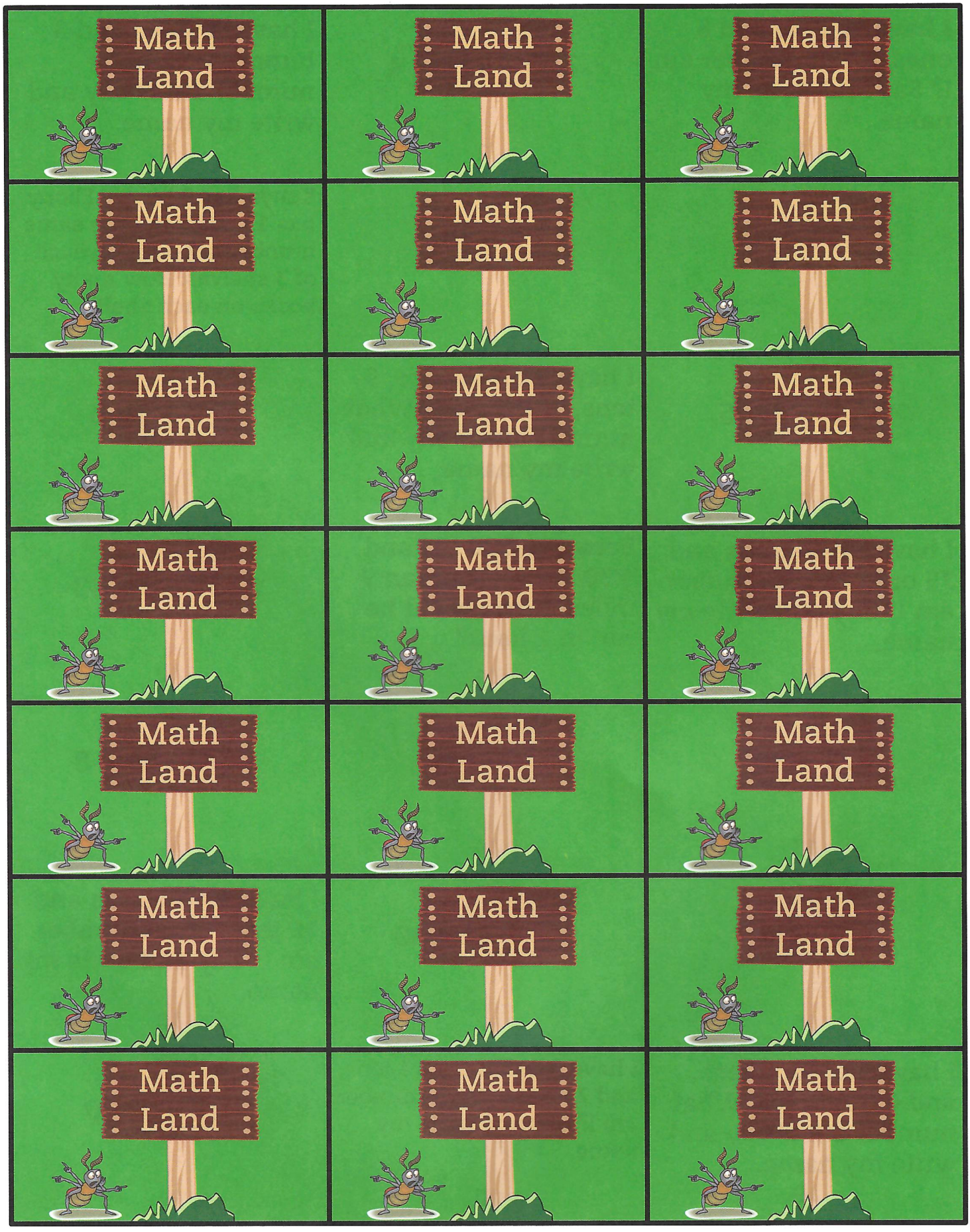
Doing the Activity:
1. Choose a card and solve the math problem.
   - Answer correctly: Roll the die and move that many spaces on the gameboard.
   - Answer incorrectly: Remain on the same space.
2. Special spaces: If your turn starts with your marker on a
   - *White Arrow*: Answer the question correctly to take the shortcut.
   - *White Star:* Answer the question correctly then roll the die. Add 2 to the number you roll and move that many spaces ahead.
3. Your turn ends. Play continues to the left.

To Win: Be the first to reach 'End.' An exact roll is not necessary.

Think About It:

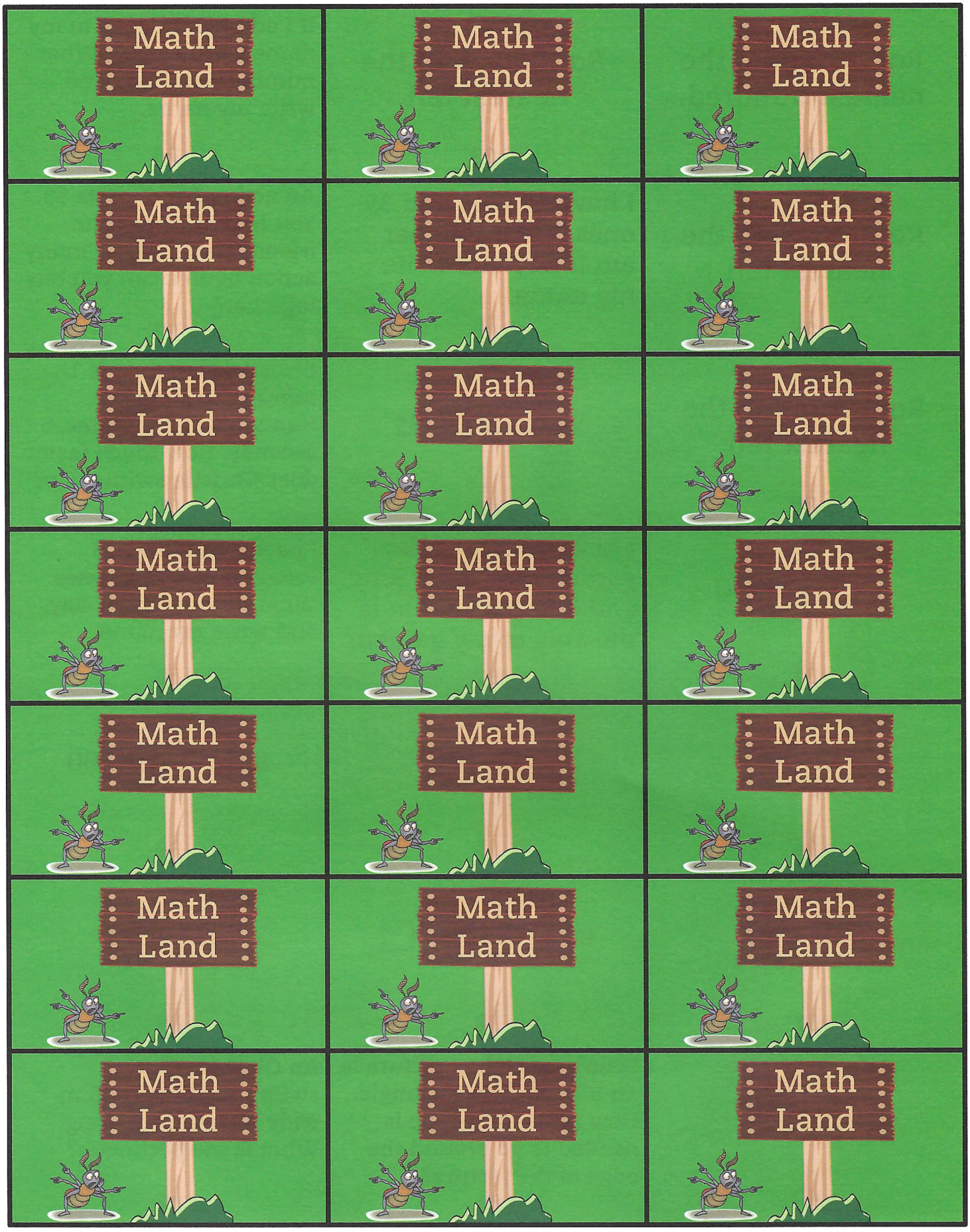
4. How is the division problem $6 \div 2$, similar to $60 \div 2$? $600 \div 2$?
5. How is the multiplication problem 7×5, similar to 70×5? 700×5?
6. Fill in the blanks:
   a. 20 ones = ____ groups of ten
   b. ____ groups of ten = 4 groups of one hundred
   c. 60 groups of one hundred = ____ groups of one thousand

Helpful Hints:
- To multiply with multiples of 10 or 100, use the associative property to break apart the multiple of 10 or 100, then multiply using basic facts. For example, to simplify 7×500, break apart 500 into 5×100 then multiply in steps: $7 \times 5 = 35$ then $35 \times 100 = 3500$.
- To divide with multiples of 10, use multiplication instead of division. For example, think of $200 \div 4$ as $\square \times 4 = 200$. Because $5 \times 4 = 20$, then $10 \times 5 \times 4 = (10 \times 5) \times 4$ or $50 \times 4 = 200$.
- To subtract, change to addition. For example, to solve $312 - 70$, change the problem to $\square + 70 = 312$. Think $30 + 70 = 100$. You need 212 more to reach 312. So $30 + 212 = 242 = \square$.
- To solve place value riddles, rewrite the words as numbers and add them together. For example, 4 thousands and 16 ones = 4,000 + 16 = 4016.


Math
Land

I have 42 tens and 8 ones. What number am I? Say and write my name. 1	700 + 110 + 4 2	I have 60 ones and 3 hundreds. What number am I? Say and write my name. 3
454 – 30 4	6 x 30 5	Kenya has 9 books; Ebony has 15. They put the same number of books on each of 3 shelves. How many books on each shelf? 6
54 = ☐ x 6 7	I have 8 thousands, 9 tens, and 3 ones. What number am I? Say and write my name. 8	42 ÷ ☐ = 6 9
I have 4 hundreds and 75 ones. What number am I? Say and write my name. 10	Between 1:30 PM and 4:30 PM, Denzel ran 9 miles. How far did he run in 1 hour? 11	810 + 50 + 43 12
621 + 300 13	400 ÷ 8 14	700 + 150 + 8 15
90 x 4 16	90 x ☐ = 630 17	I have 4 hundreds and 16 tens. What number am I? Say and write my name. 18
I have 8 ones, 5 tens, and 6 hundreds. What number am I? Say and write my name. 19	I have 3 hundreds, 14 tens, and 76 ones. What number am I? Say and write my name. 20	6 x ☐ = 600 21

Round 338 to the nearest hundred. 22	Round 426 to the nearest ten. 23	If I add 7 more tens to my name I will be 657. What number am I? Say and write my name. 24
Round 796 to the nearest ten. 25	I have 12 tens and 39 ones. What number am I? Say and write my name. 26	An action figure costs $3. You have $7 and your friend has $11. How many action figures can you buy together? 27
Round 753 to the nearest ten. 28	200 + 390 + 52 29	Christie's lap time is 1 minute, 10 seconds. Hannah's is 2 minutes, 5 seconds. How much faster does Christie swim a lap? 30
8 x ☐ = 640 31	I have a rectangular garden that is 7 ft long and 8 ft wide. What is the area of my garden? 32	I have 6 hundreds, 8 thousands, and 42 ones. What number am I? Say and write my name. 33
573 + 20 34	312 – 70 35	846 – ☐ = 100 36
648 + 60 37	693 – 240 = ☐ 38	457 + 90 39
785 + 40 40	Izzie's lunch box picture is an 8 in. by 7 in. rectangle. How much blue tape is needed to go around the edge of the picture? 41	An Olympic sized swimming pool is 25 m wide and twice as long. What is the perimeter? 42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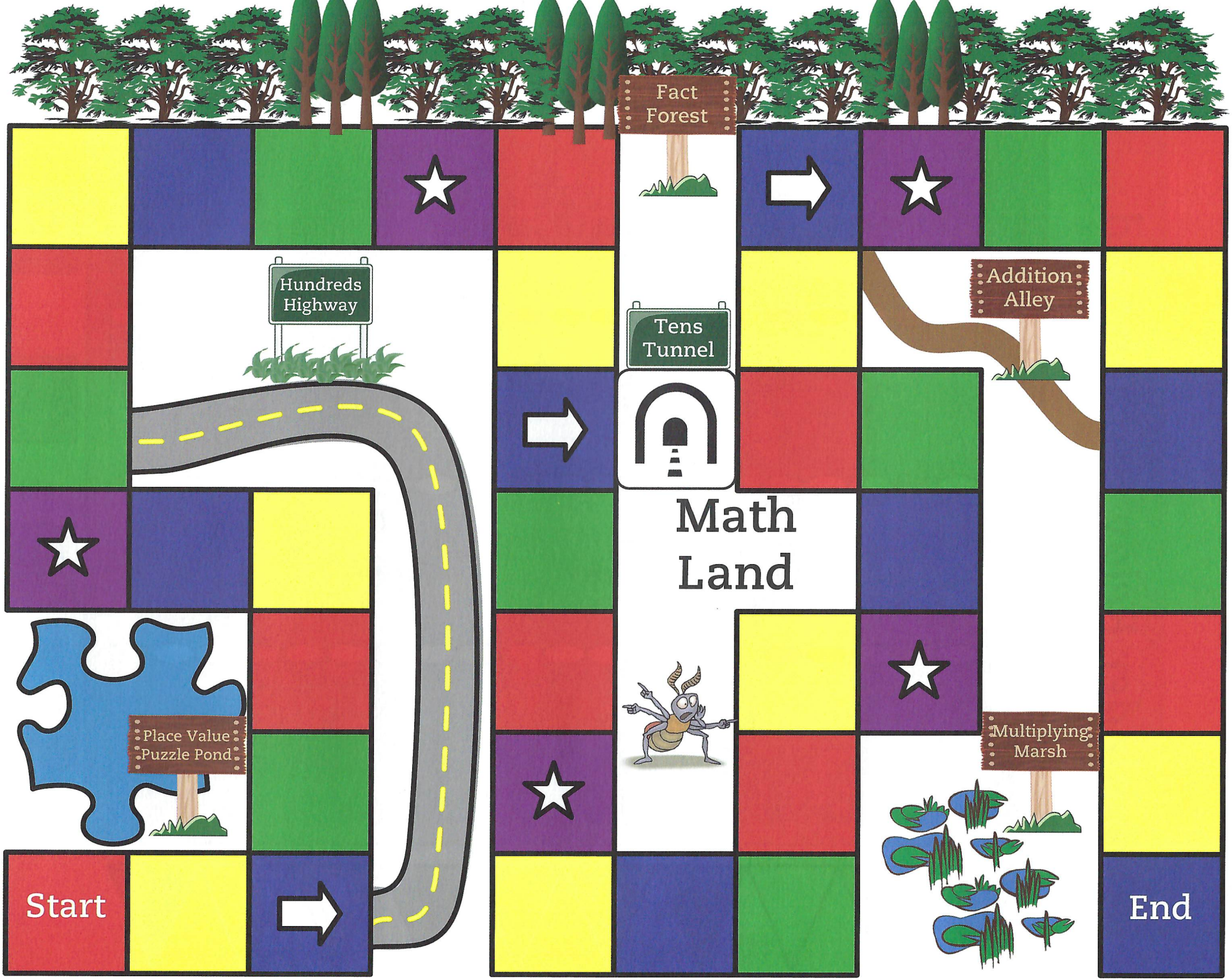
Fact Forest
Hundreds Highway
Tens Tunnel
Addition Alley
Math Land
Place Value Puzzle Pond
Multiplying Marsh
Start
End