




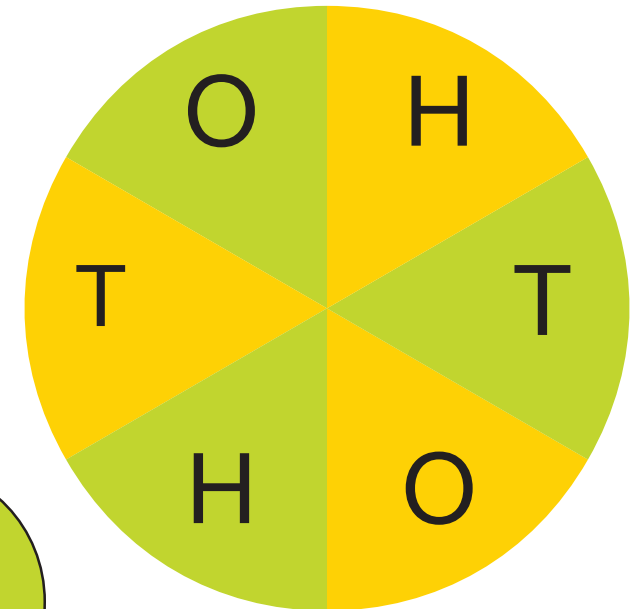
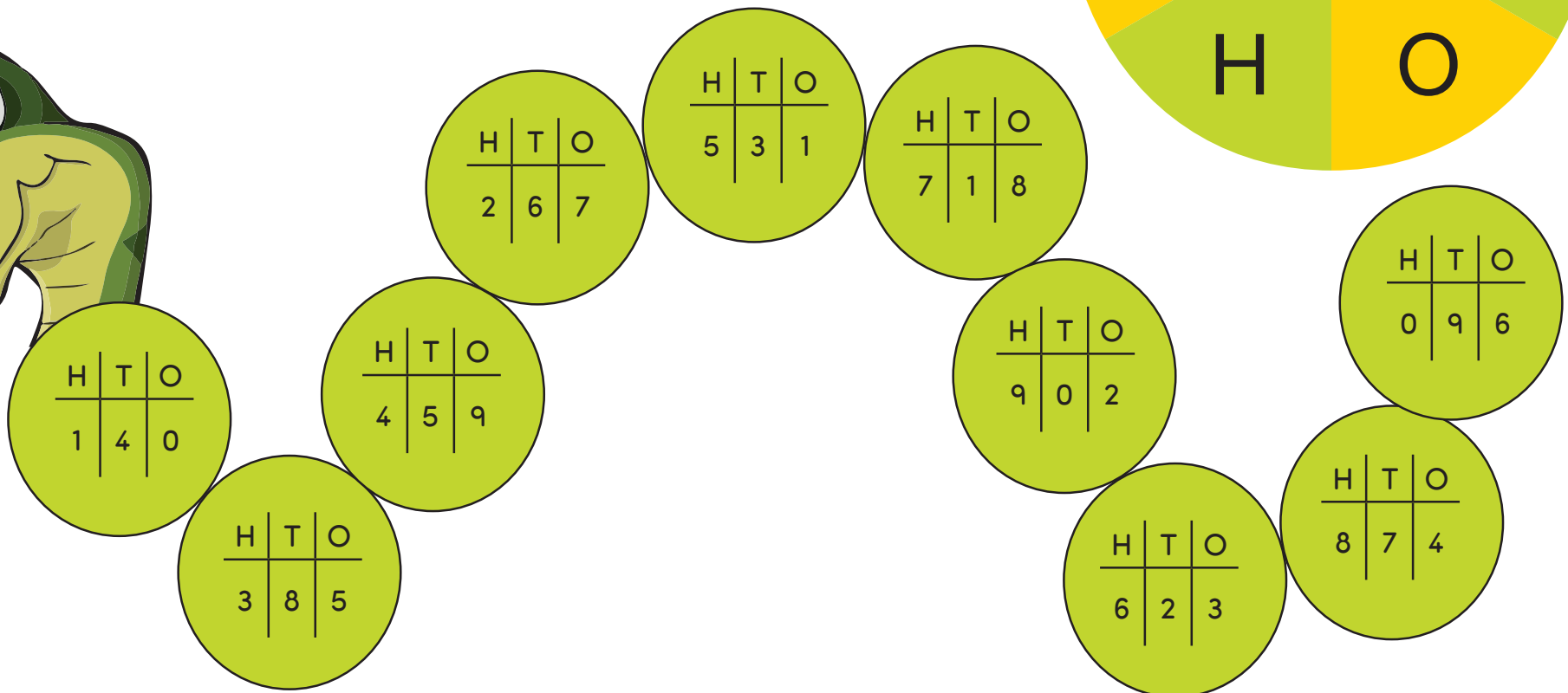
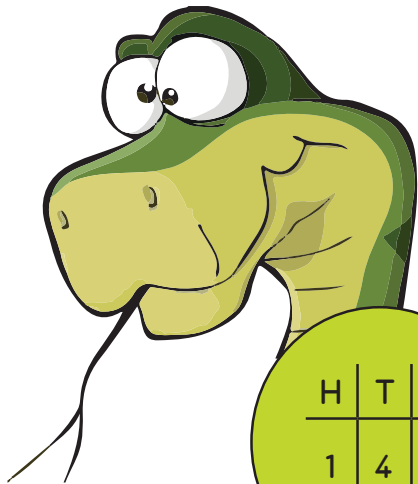
NUMBER SNAKE - 1

For 2 players. You will need: a 0-9 dice, a spinner, 19 counters and apparatus to represent H.T.O e.g. base ten.

How to Play...

- Player 1 rolls the 0 to 9 dice and spins the spinner
- Player 1 then matches their number to what they found on the spinner
For example, if you roll a 5 and spin a T, then your number will include 5 tens
- If you can find a number that includes your number/spinner value on the track below, create it with apparatus and then cover it on the track with a counter
- If you cannot find a number that includes your number/spinner value, miss a go!
- Keep taking turns.

 The winner is the person to cover three numbers on the track without the other colour of counter in between!



PLACE VALUE
I CAN TALK ABOUT THE VALUE OF DIGITS IN A 3-DIGIT NUMBER



Number Snake Game 1

Stefan throws three 1-6 dice to make a three-digit number. He says, "I have 2 hundreds, 0 tens and seven ones."

Is he correct?
Why/why not?

Which of the numbers below have 8 tens in them?

828 880 108 182

888 78 380 618

Paul says, 'If I have 3 digit cards, I can rearrange these to make 6 different 3-digit numbers.'

Is he correct? Always,
Sometimes, Never?

True or False?

Eight hundreds, six tens and two ones make 682.

Explain your answer and then make up a problem like this for a friend.

Which numbers below have even digits in the tens AND ones columns?

428 332 458
726 822 21






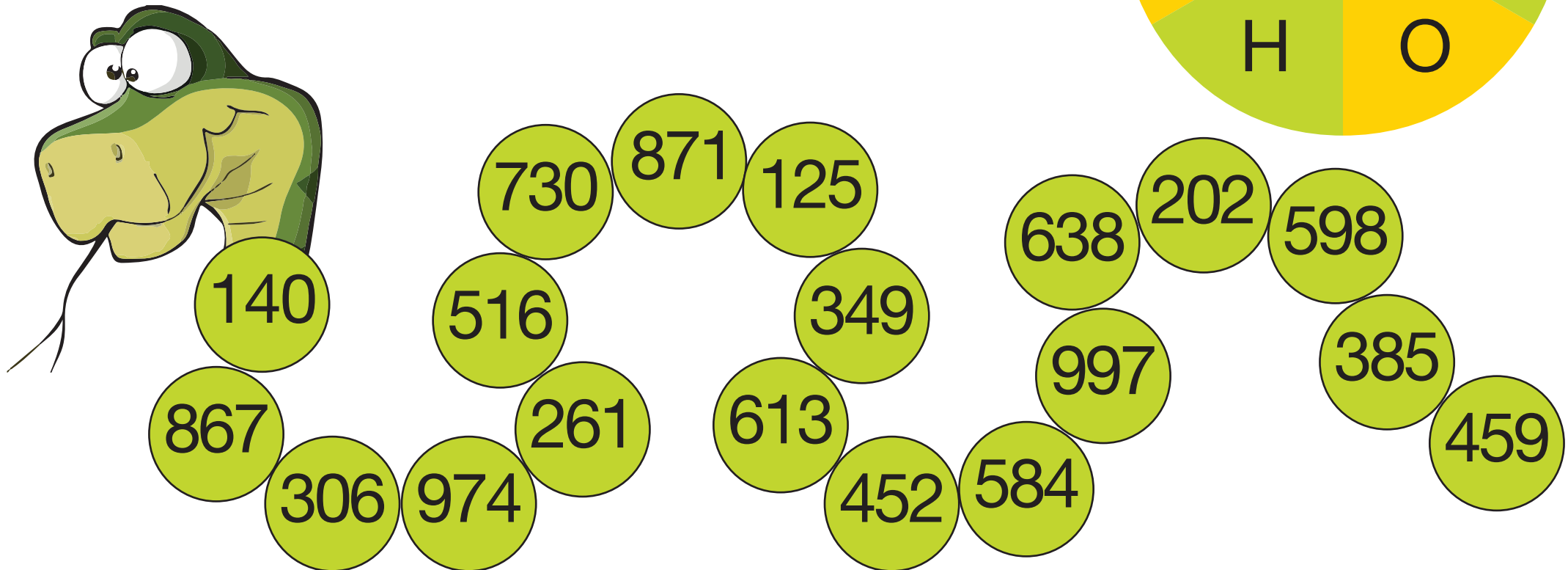
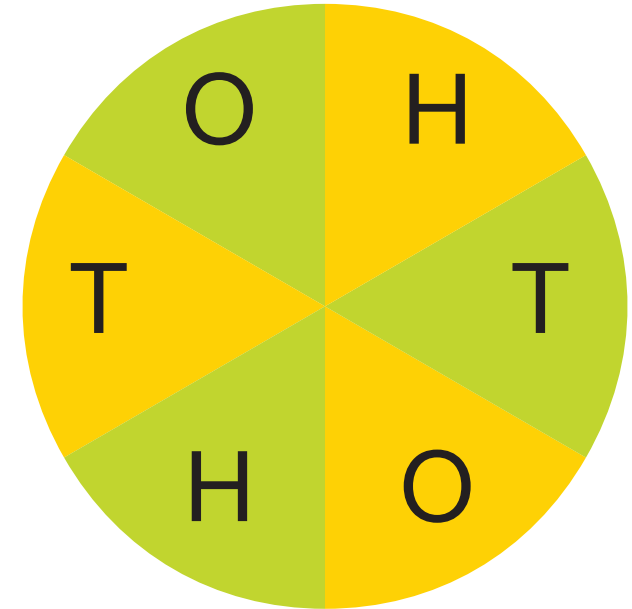
NUMBER SNAKE - 2

For 2 players. You will need: a 0-9 dice, a spinner and 19 counters.

How to Play...

- Player 1 rolls the 0 to 9 dice and spins the spinner
- Player 1 then matches their number to what they found on the spinner
For example, if you roll a 5 and spin a T, then your number will include 5 tens
- If you can find a number that includes your number/spinner value on the track below, cover it with a counter
- If you cannot find a number that includes your number/spinner value, miss a go!
- Keep taking turns

 The winner is the person to cover three numbers on the track without the other colour of counter in between!



PLACE VALUE
I CAN TALK ABOUT THE VALUE OF DIGITS IN A 3-DIGIT NUMBER



Number Snake Game 2

Always, Sometimes, Never?

“A number with an even digit in the tens column is always even.”

Explain your answer.

Each place value column has a different number of counters. What is the largest number you can make using 5 counters? What is the smallest?

H	T	O
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Join the numbers to the facts that are true for each. Some will join to more than one fact.

328		even
156		201 to 400
82		odd tens digit
199		below 200
200		greater than 190

Complete the place value grid to make the number 616...

H	T	O

Can you make the following numbers using Base Ten apparatus?

999
101
325
478





NUMBER SNAKE - 3

For 2 players. You will need: a 0-9 dice, a spinner or paperclip, 19 counters, pencils.

How to Play...

- Player 1 rolls the 0 to 9 dice and spins the spinner to make find a number and its position
For example, if you roll a 7 and spin a T you would have 7 tens
- Write a 3-digit number on the snake (in any part of him you'd like!) that includes your number
For example, if you roll a 7 and spin a T you would have 7 tens and if you have 7 tens, your number could be 372
- Check the points table and decide which of the criteria your number matches and explain your reasoning
- Once the first number has been written on the track, the other numbers must be placed in size order from smallest (at the head of the snake) to greatest at the end of the snake's tail
- Keep taking turns



The winner is the person with the most points once the track is full!

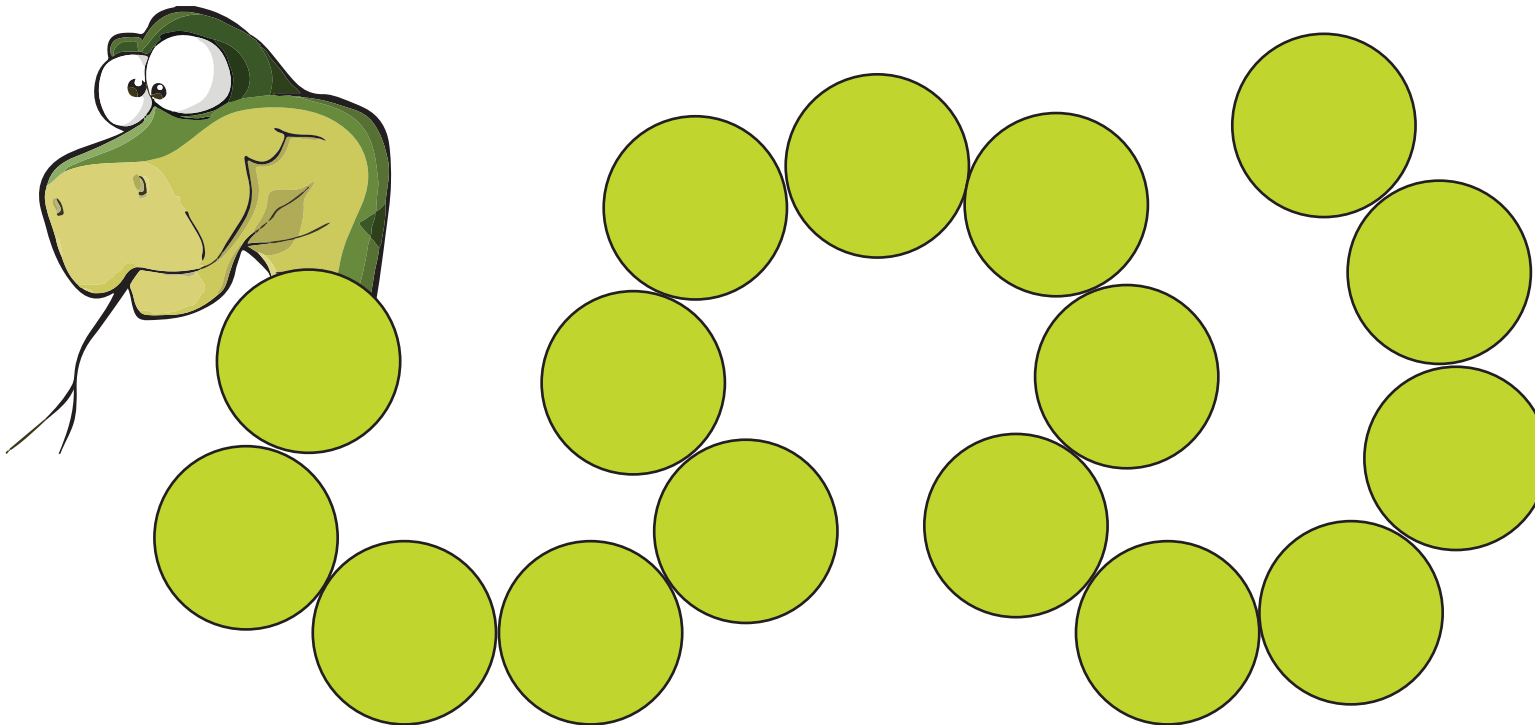
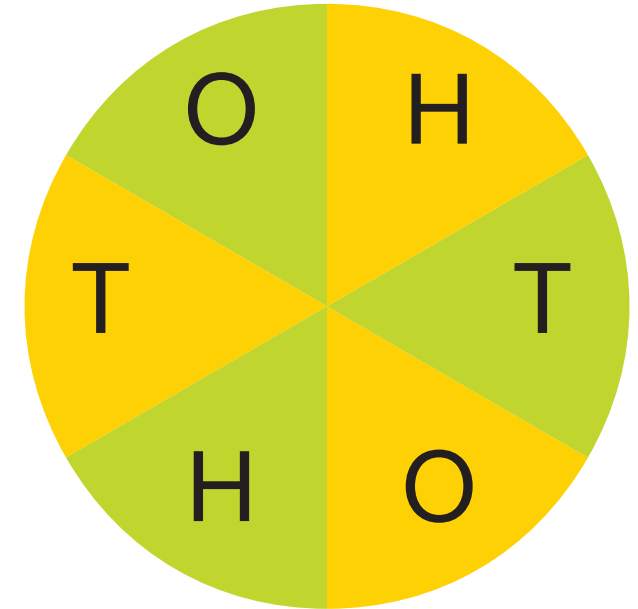


Table of Points

Odd	One point
Even	One point
Multiple of...	The multiple that you name is your score
I can name ... factors	The number of factors that you can name is your score
Give another fact of your choice	Roll a 0-9 dice for your score!



PLACE VALUE
I CAN TALK ABOUT THE VALUE OF DIGITS IN A 3-DIGIT NUMBER



Number Snake Game 3

Always, Sometimes, Never?

If I add ten onto a 3-digit number, the digit in the tens column increases by 1.

Look at the numbers you have created on the Number Snake.
Explain to your friend how many tens each number has.
For example, 113 has 11 tens altogether.

Always, Sometimes, Never?

“If you add 5 to a number ending in 6, you will always get a number ending in 1.”

Insert a digit into each box so that the rows are in order from smallest to largest...

H	T	O
	3	8
	4	
2	1	
2		9
3	0	

Billie has 9 counters.
How many different numbers can she represent in her place value chart?

H	T	O





How to Play...

