

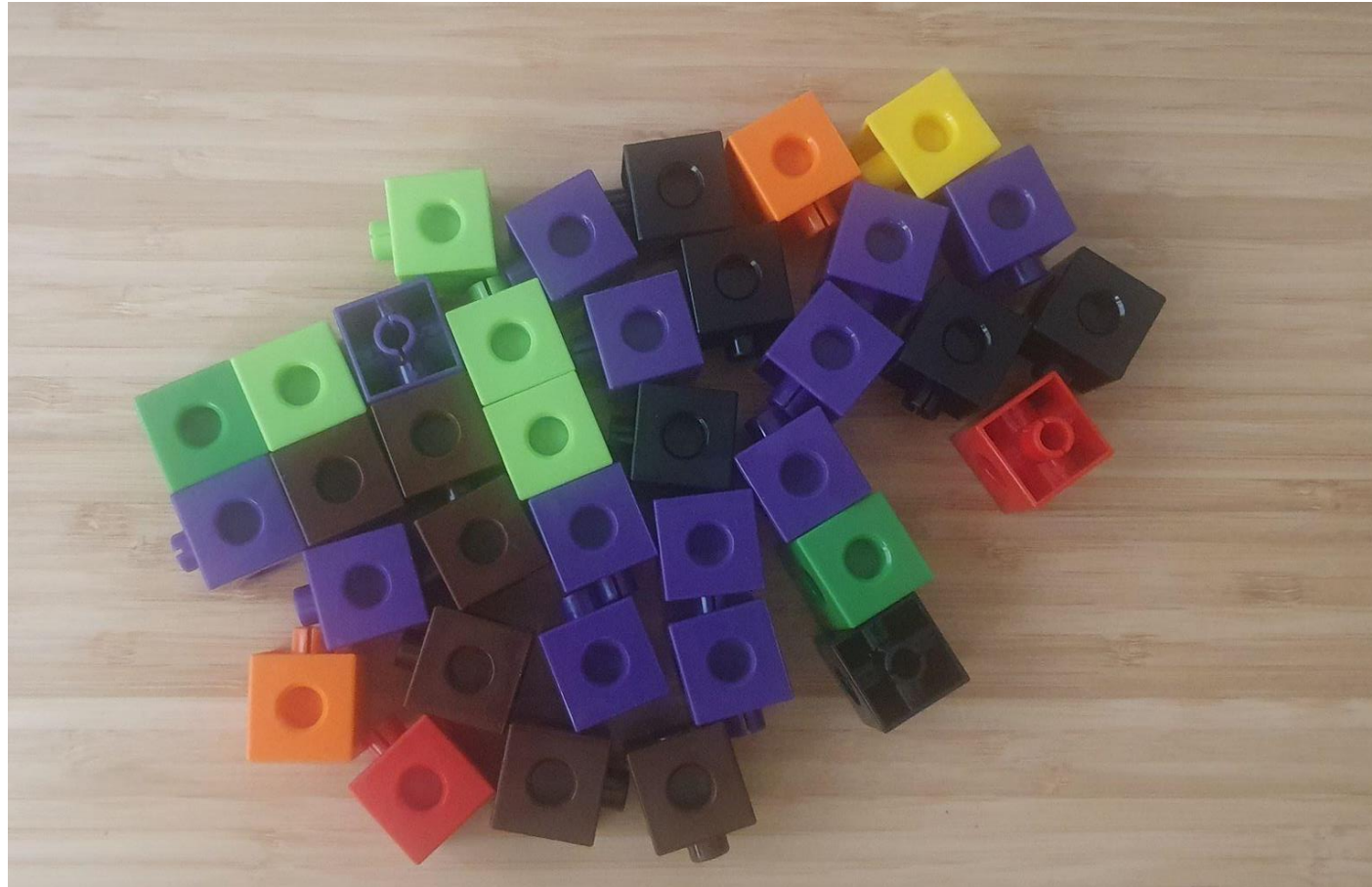


# Exploring Different Representations

Group Discussion

**What are these?**

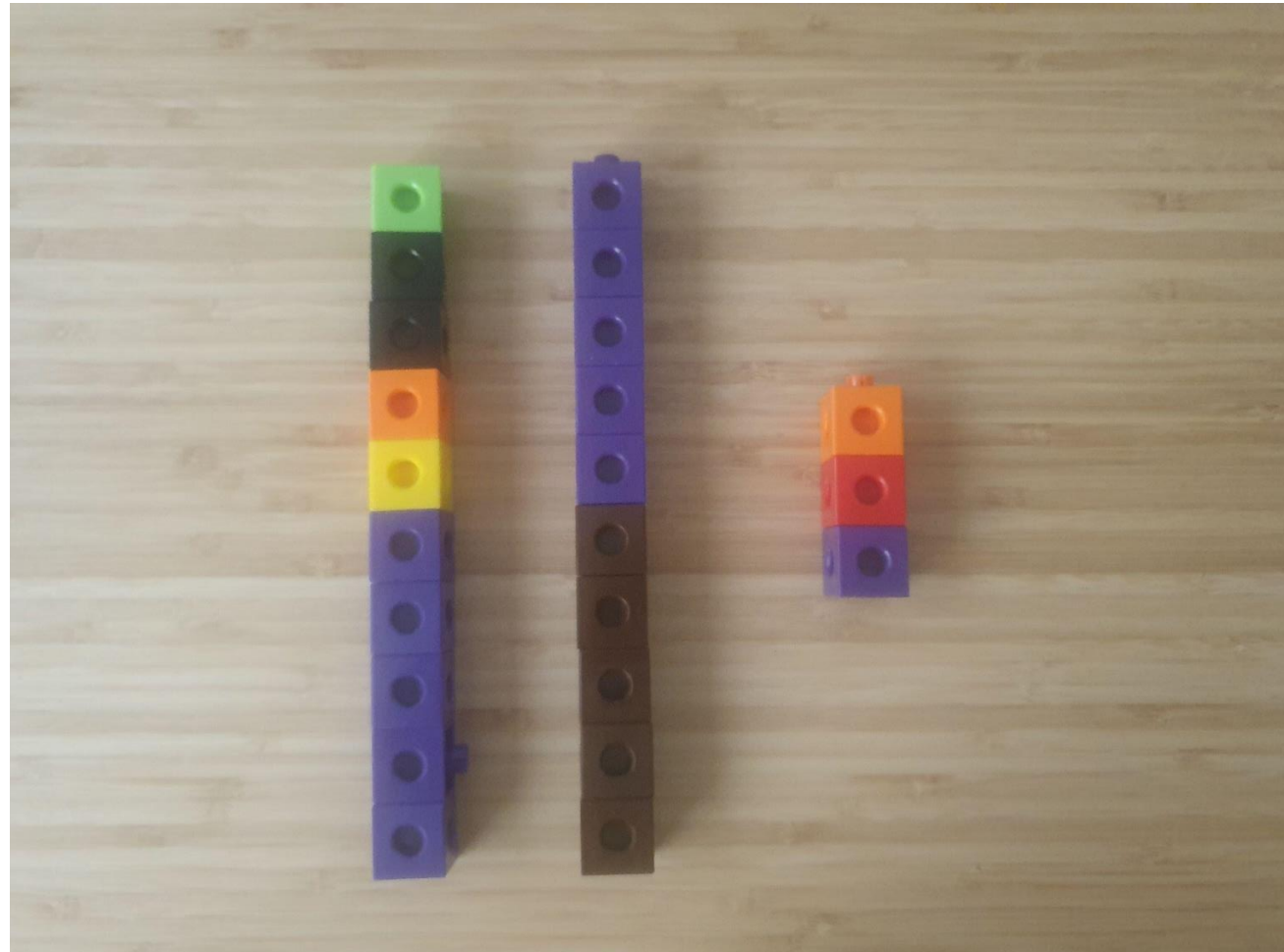
**How might they be used to represent *twenty-three*?**



What do you notice about how *twenty-three* is represented using snap cubes?



What do you notice about how *this* representation of *twenty-three* using snap cubes?



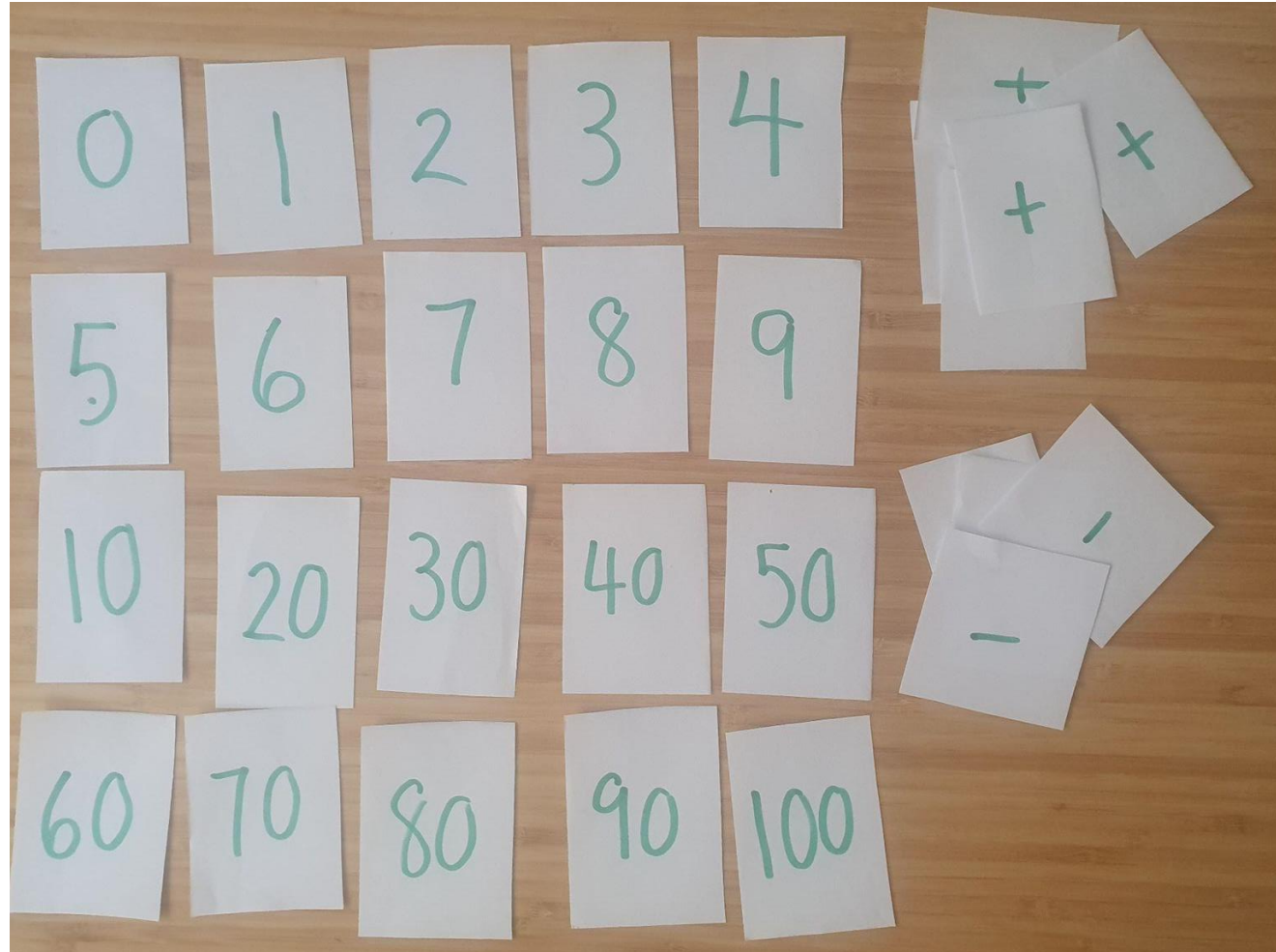
**What are these? How might they be used to represent *one hundred and twenty-one*?**



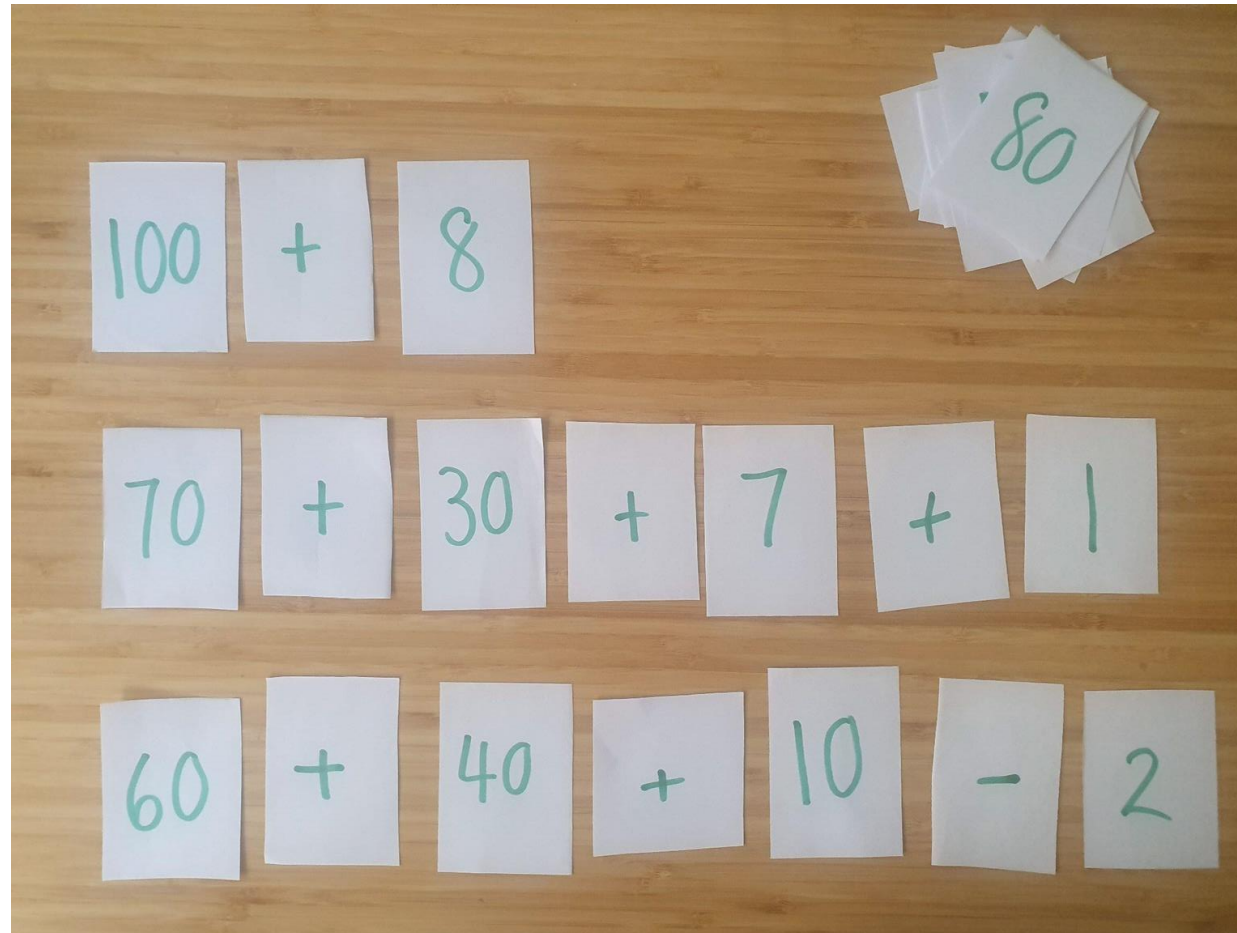
What do you notice about how *one hundred and twenty-one* is represented using bundling sticks?



**What are these? How might they be used to represent the number *one hundred and eight*?**

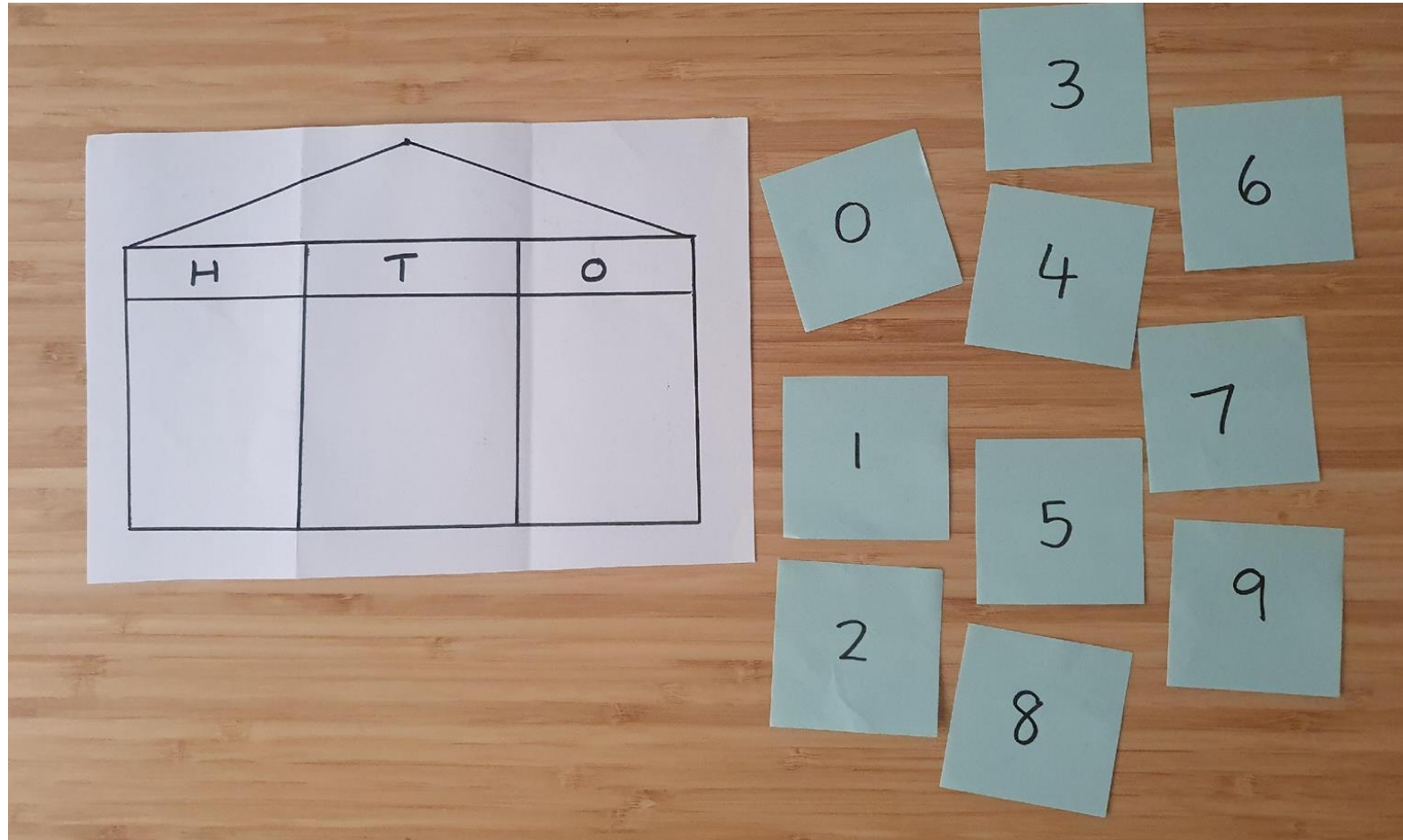


What do you notice about how *one hundred and eight* is represented using expression cards?

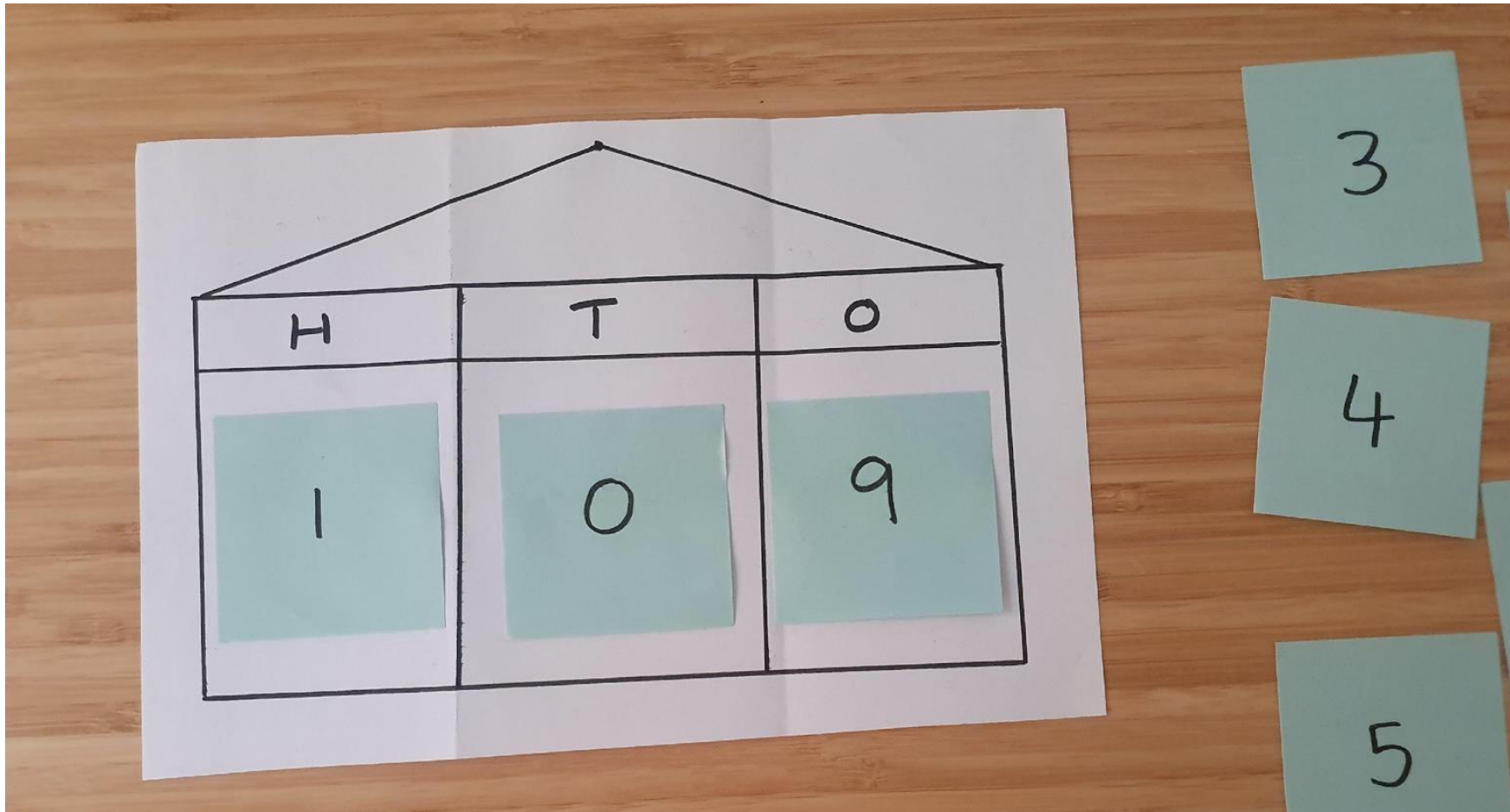




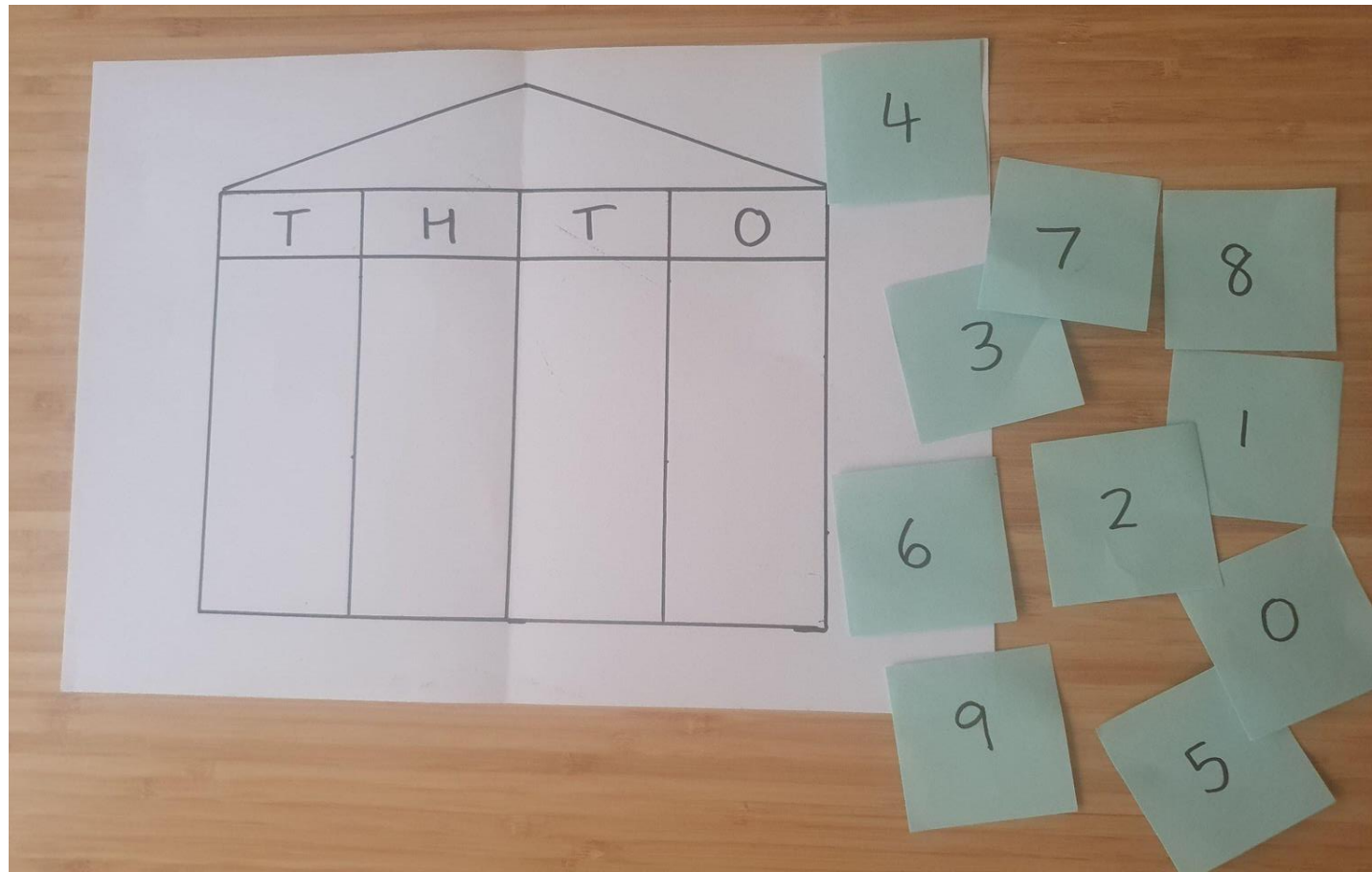
**What are these? How might they be used to represent the number *one hundred and eight*?**



What do you notice about how *one hundred and eight* is represented using this place value chart?



Here's a different place value chart.  
How could it be used to represent  
*one thousand and twenty-eight?*



What do you notice about how *one thousand and twenty eight* is represented using with place value chart?

T	H	T	O
1	0	2	8




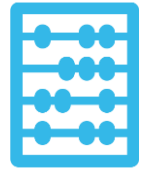
# Exploring Different Representations

Hands on activity

# Different Representations

1

Explore  different ways to represent number.  
Use them to model your chosen number.



2

Use the organiser

Representation: Record:	Representation: Record:
Representation: Record:	Representation: Record:

record

represented your number each time.



How you


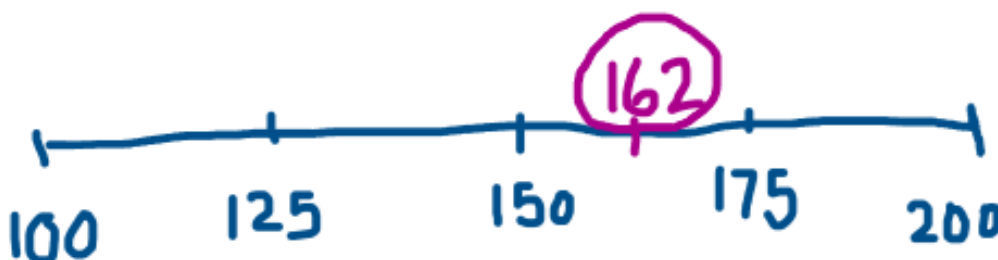

## Organiser

# What do you notice? What do you wonder?

Representation:	Representation:
Record:	Record:
Representation:	Representation:
Record:	Record:

Completed Example (3-digit number)

What do you notice? What do you wonder?

<p>Representation: Money Station</p> <p>Record:</p>  <p>\$162</p>	<p>Representation: Number Line</p> <p>Record:</p>  <p>100 125 150 175 200</p>
<p>Representation: Expression Cards</p> <p>Record:</p> <p>162</p> $\boxed{100} + \boxed{30} + \boxed{20} + \boxed{10} + \boxed{2}$ $\boxed{40} + \boxed{50} + \boxed{60} + \boxed{20} - \boxed{8}$	<p>Representation: MAB</p> <p>Record:</p>  <p>100 6 tens 2 ones</p> <p>162</p>