

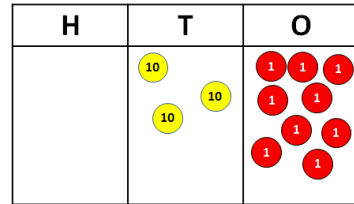
# ROUTEWAY THROUGH WRITTEN CALCULATION - DIVISION

Division – not including a regroup e.g.  $39 \div 3$



$$39 \div 3$$

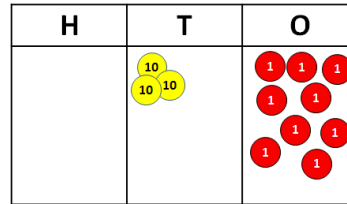
$$3 \overline{)39}$$



Make the number (dividend) using the place value counters.

$$39 \div 3$$

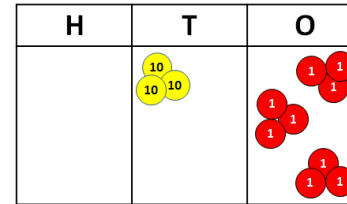
$$3 \overline{)39} \quad 1$$



Looking at the '10' counters, make groups of the divisor.

$$39 \div 3$$

$$3 \overline{)39} \quad 13$$

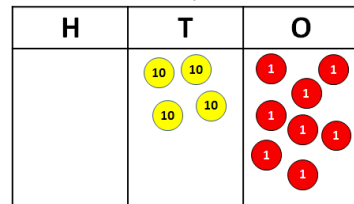


Looking at the '1' counters, make groups of the divisor.

Division – including a regroup e.g.  $48 \div 3$

$$48 \div 3$$

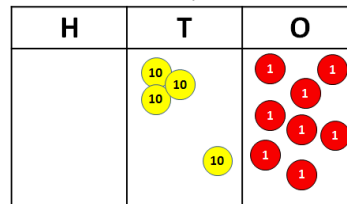
$$3 \overline{)48}$$



Make the number (dividend) using the place value counters.

$$48 \div 3$$

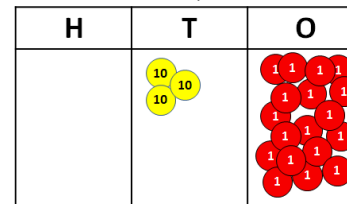
$$3 \overline{)48} \quad 1$$



Looking at the '10' counters, make groups of the divisor.

$$48 \div 3$$

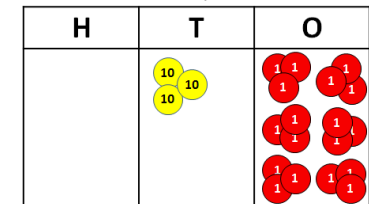
$$3 \overline{)48} \quad 16$$



Regroup the 'spare' '10' for ten '1' counters.

$$48 \div 3$$

$$3 \overline{)48} \quad 16$$

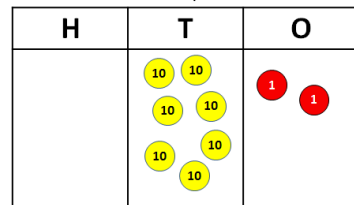


Looking at the '1' counters, make groups of the divisor.

Division – including a regroup e.g.  $72 \div 3$

$$72 \div 3$$

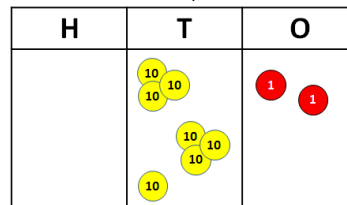
$$3 \overline{)72}$$



Make the number (dividend) using the place value counters.

$$72 \div 3$$

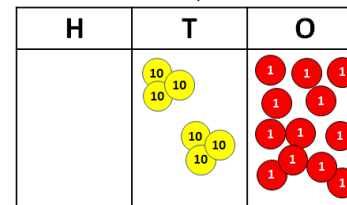
$$3 \overline{)72} \quad 2$$



Looking at the '10' counters, make groups of the divisor.

$$72 \div 3$$

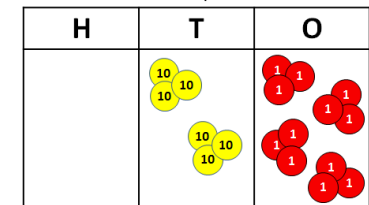
$$3 \overline{)72} \quad 24$$



Regroup the 'spare' '10' for ten '1' counters.

$$72 \div 3$$

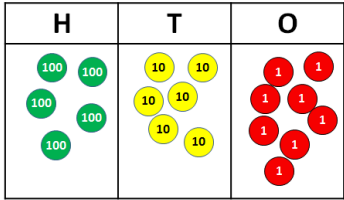
$$3 \overline{)72} \quad 24$$



Looking at the '1' counters, make groups of the divisor.

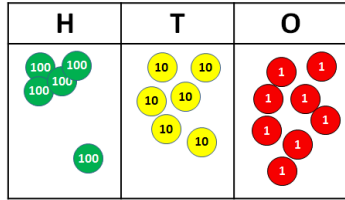
Division – including a regroup e.g.  $568 \div 4$

$$568 \div 4 \quad 4 \overline{) 568}$$



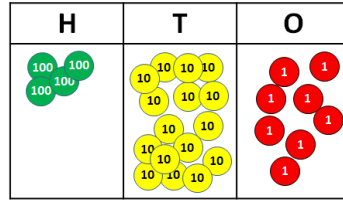
Make the number (dividend) using the place value counters.

$$568 \div 4 \quad 4 \overline{) 568} \quad 1$$



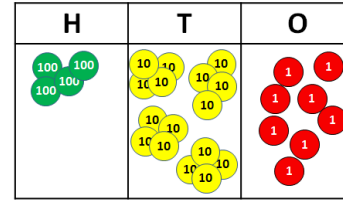
Looking at the '100' counters, make groups of the divisor.

$$568 \div 4 \quad 4 \overline{) 568} \quad 14$$



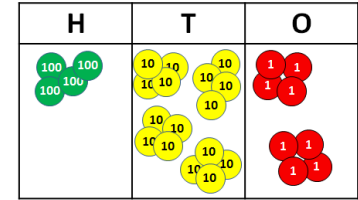
Regroup the 'spare' '100' counter for ten '10' counters.

$$568 \div 4 \quad 4 \overline{) 568} \quad 142$$



Looking at the '10' counters, make groups of the divisor.

$$568 \div 4 \quad 4 \overline{) 568} \quad 142$$

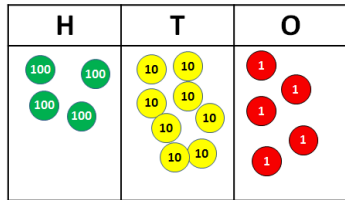


Look at the '1' counters. Make groups of the divisor.

Division – no regroup with remainder e.g.  $485 \div 4$

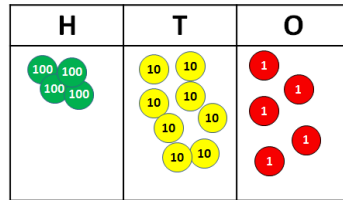


$$485 \div 4 \quad 4 \overline{) 485}$$



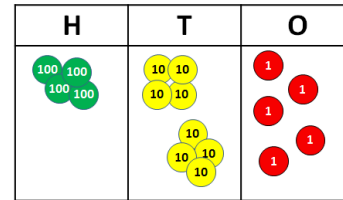
Make the number (dividend) using the place value counters.

$$485 \div 4 \quad 4 \overline{) 485} \quad 1$$



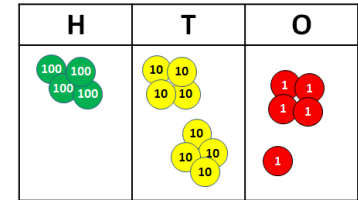
Looking at the '100' counters, make groups of the divisor.

$$485 \div 4 \quad 4 \overline{) 485} \quad 12$$



Looking at the '10' counters, make groups of the divisor.

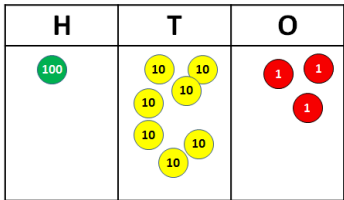
$$485 \div 4 \quad 4 \overline{) 485} \quad 121 \text{ r}1$$



Looking at the '1' counters, make groups of the divisor. Record the remainders.

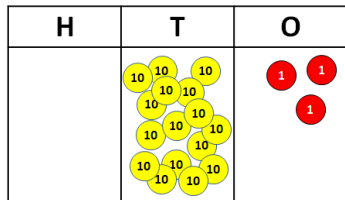
Division – including a regroup with a remainder e.g.  $163 \div 3$

$$163 \div 3 \quad 3 \overline{) 163}$$



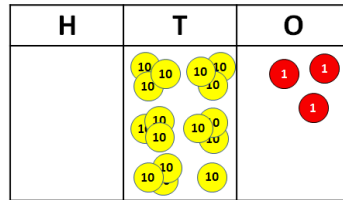
Make the number (dividend) using the place value counters.

$$163 \div 3 \quad 3 \overline{) 163} \quad 0$$



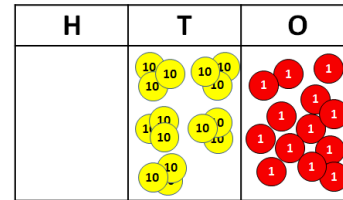
Regroup the '100' counter for ten '10' counters.

$$163 \div 3 \quad 3 \overline{) 163} \quad 05$$



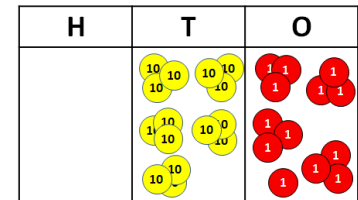
Looking at the '10' counters, make groups of the divisor.

$$163 \div 3 \quad 3 \overline{) 163} \quad 054$$



Regroup the '10' counter for ten '1' counters.

$$163 \div 3 \quad 3 \overline{) 163} \quad 054 \text{ r}1$$



Looking at the '1' counters, make groups of the divisor. Record the remainders.

