

Divide 3-Digits by 1-Digit

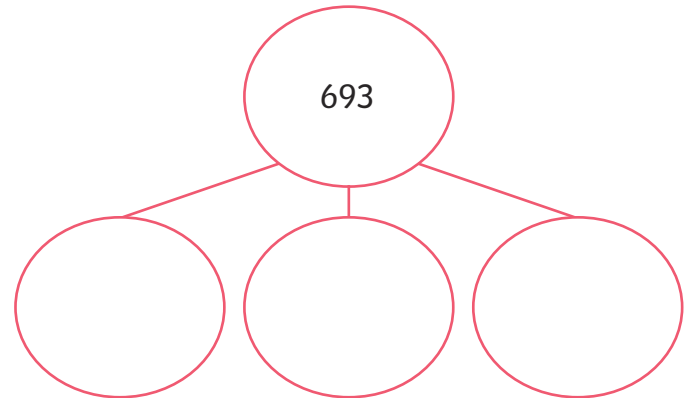
To divide a 3-digit number by a 1-digit number.



- 1) Draw the counters on the place value chart and complete the part-whole models to help you solve the division calculations.

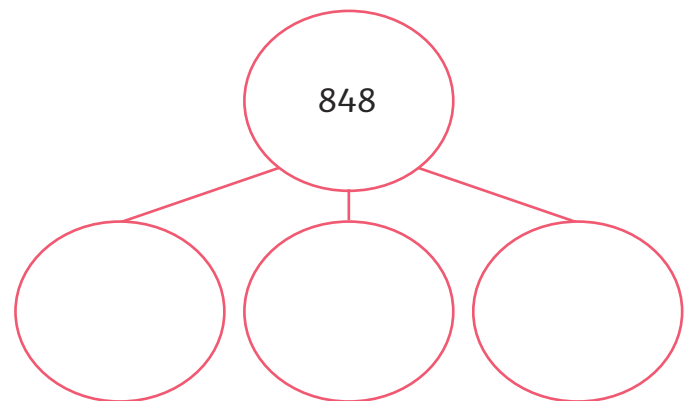
a) $693 \div 3 =$

Hundreds	Tens	Ones



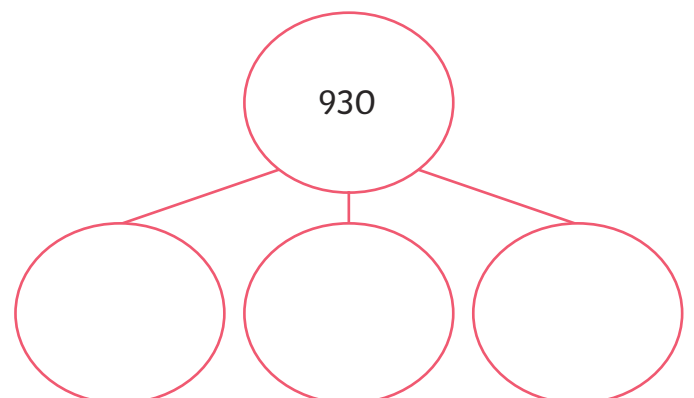
b) $848 \div 4 =$

Hundreds	Tens	Ones



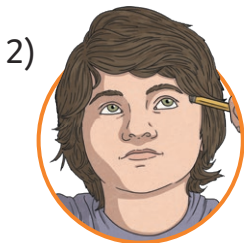
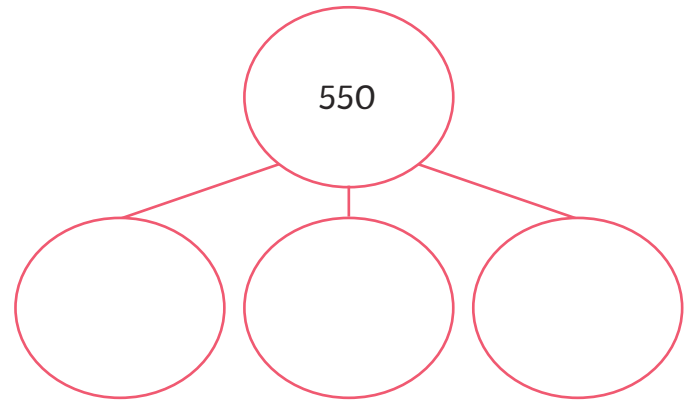
c) $930 \div 3 =$

Hundreds	Tens	Ones



d) $550 \div 5 =$

Hundreds	Tens	Ones



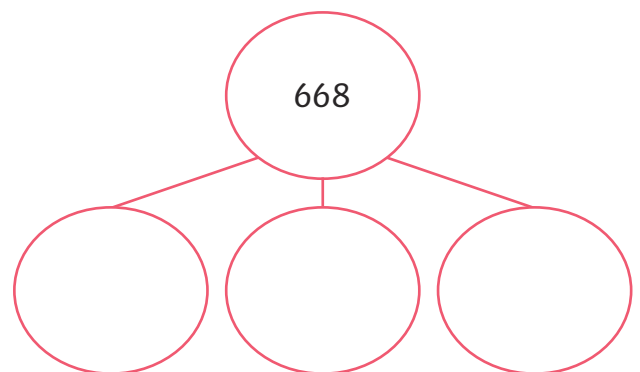
668 can be divided by 6 without leaving a remainder.

Damian

Is Daman correct? Draw counters on the place value chart and complete the part-whole model to show if Daman's statement is correct.

$668 \div 6 =$

Hundreds	Tens	Ones



Divide 3-Digits by 1-Digit

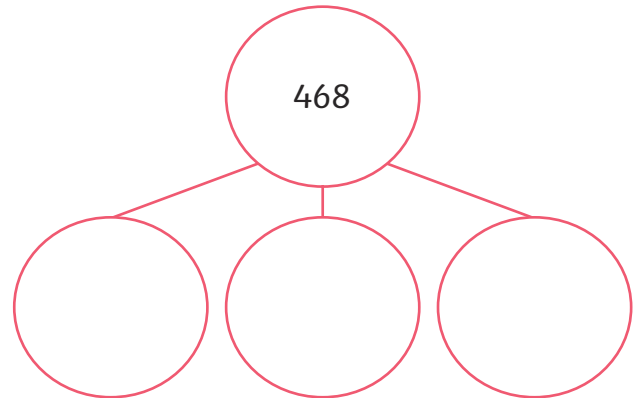
To divide a 3-digit number by a 1-digit number.



- 1) Draw the counters on the place value chart and complete the part-whole models to help you solve the division calculations.

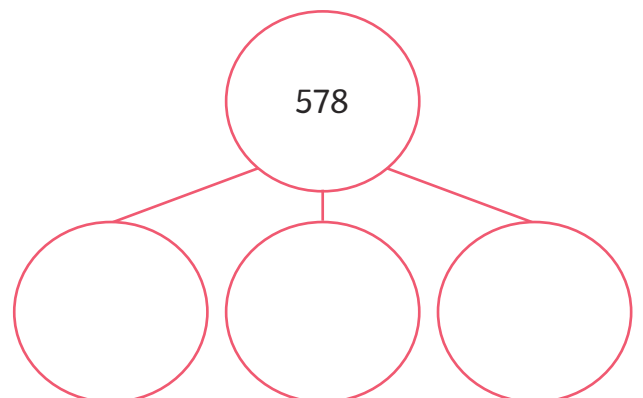
a) $468 \div 3 =$

Hundreds	Tens	Ones



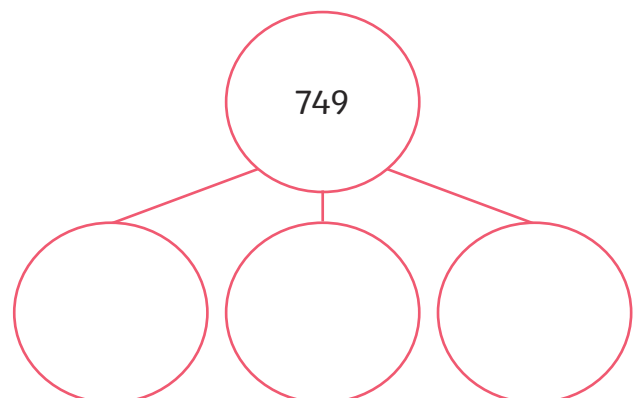
b) $578 \div 4 =$

Hundreds	Tens	Ones

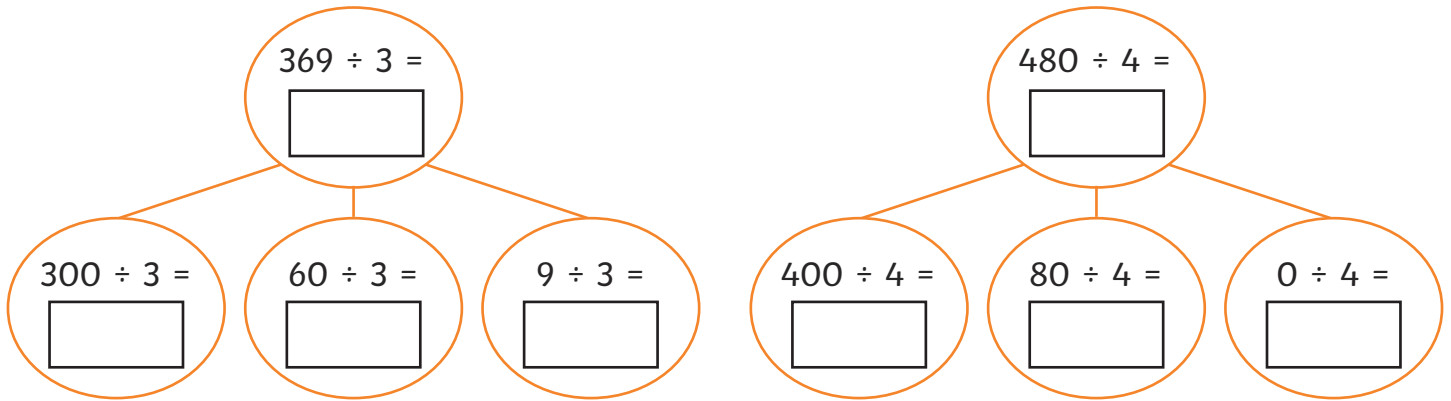


c) $749 \div 5 =$

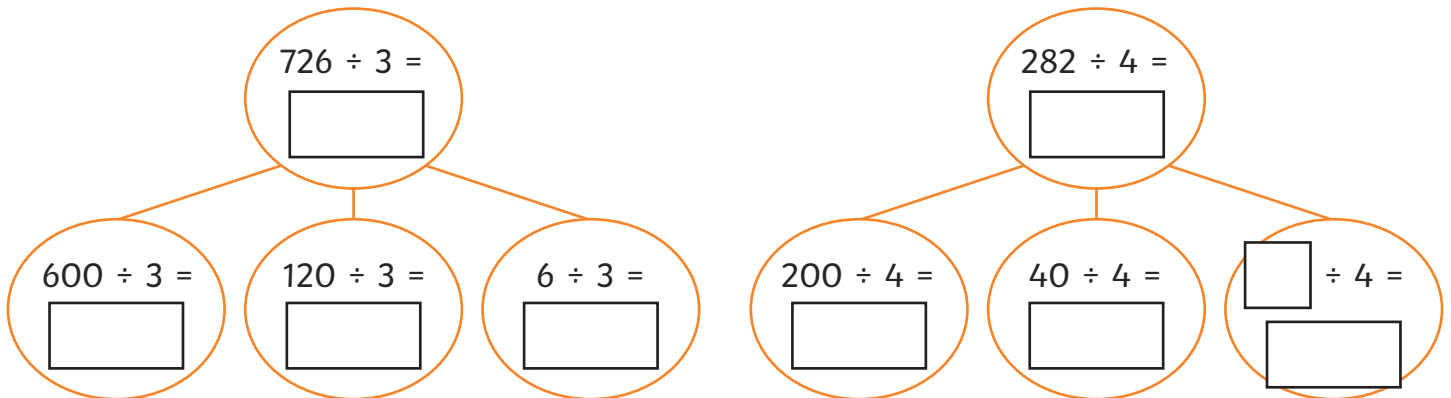
Hundreds	Tens	Ones



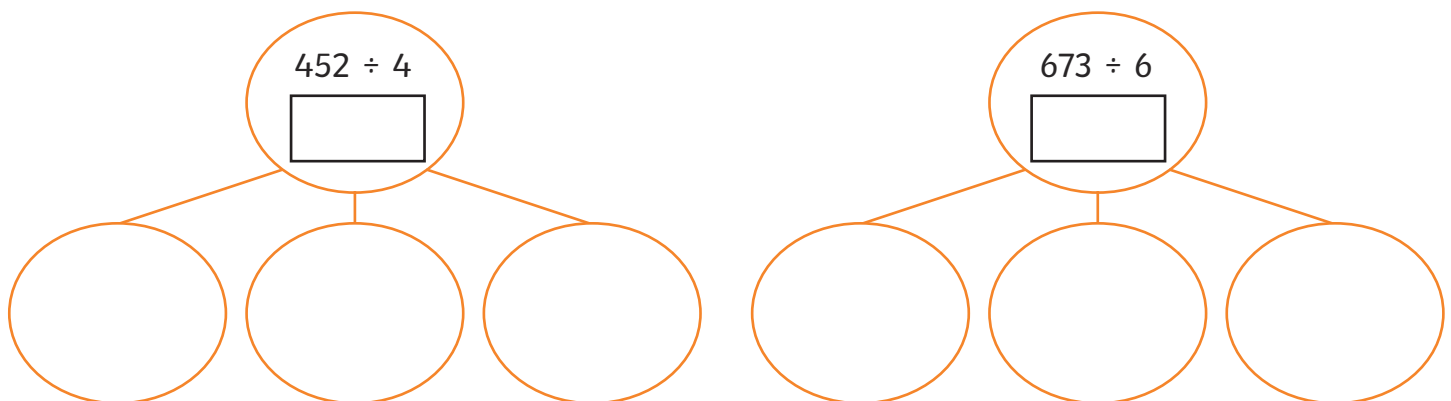
2) Complete the part-whole models to find the answer to each question.



3) Harry has used flexible partitioning to solve these division questions. Complete the part-whole models to find the answer to each question.



4) Use flexible partitioning to solve each division question. Remember, you can partition your number into more than the three parts shown by drawing extra parts on the part-whole model or fewer parts by crossing out parts that you do not need.



5) Use flexible partitioning to help you compare these division calculations using < , > or =.

294 ÷ 7 □ 396 ÷ 6

864 ÷ 8 □ 972 ÷ 9

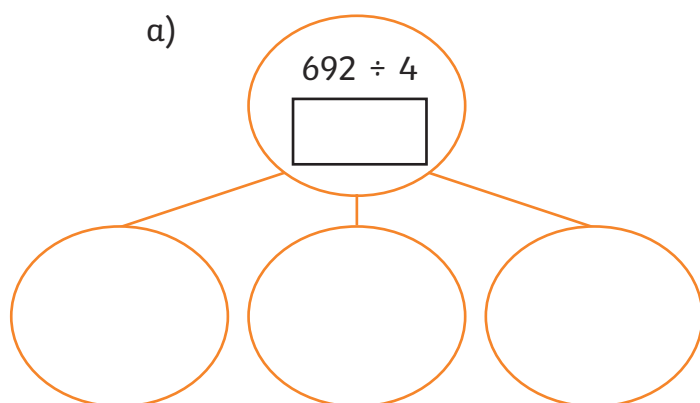
Divide 3-Digits by 1-Digit

To divide a 3-digit number by a 1-digit number.

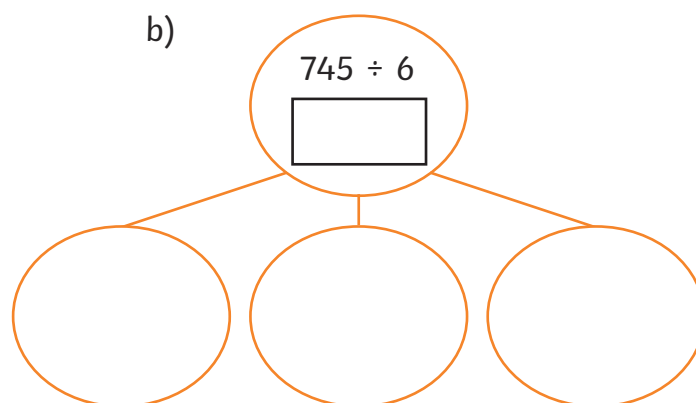


- 1) Use flexible partitioning to solve each division question. Remember, you can partition your number into more or less than the three parts shown by drawing more parts on the part-whole model or crossing out parts that you do not need.

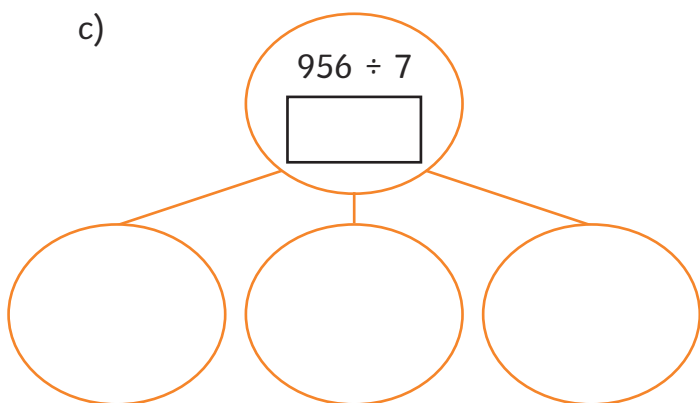
a)



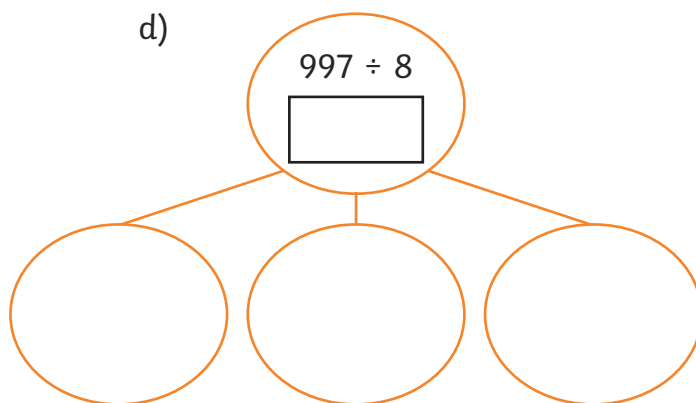
b)



c)



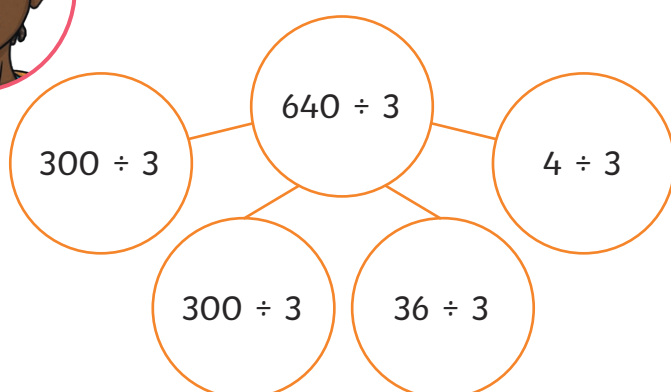
d)



- 2) Dylan has used flexible partitioning to solve $765 \div 9$. Show another way that Dylan could have partitioned the number to solve the problem.



Dylan's Method:



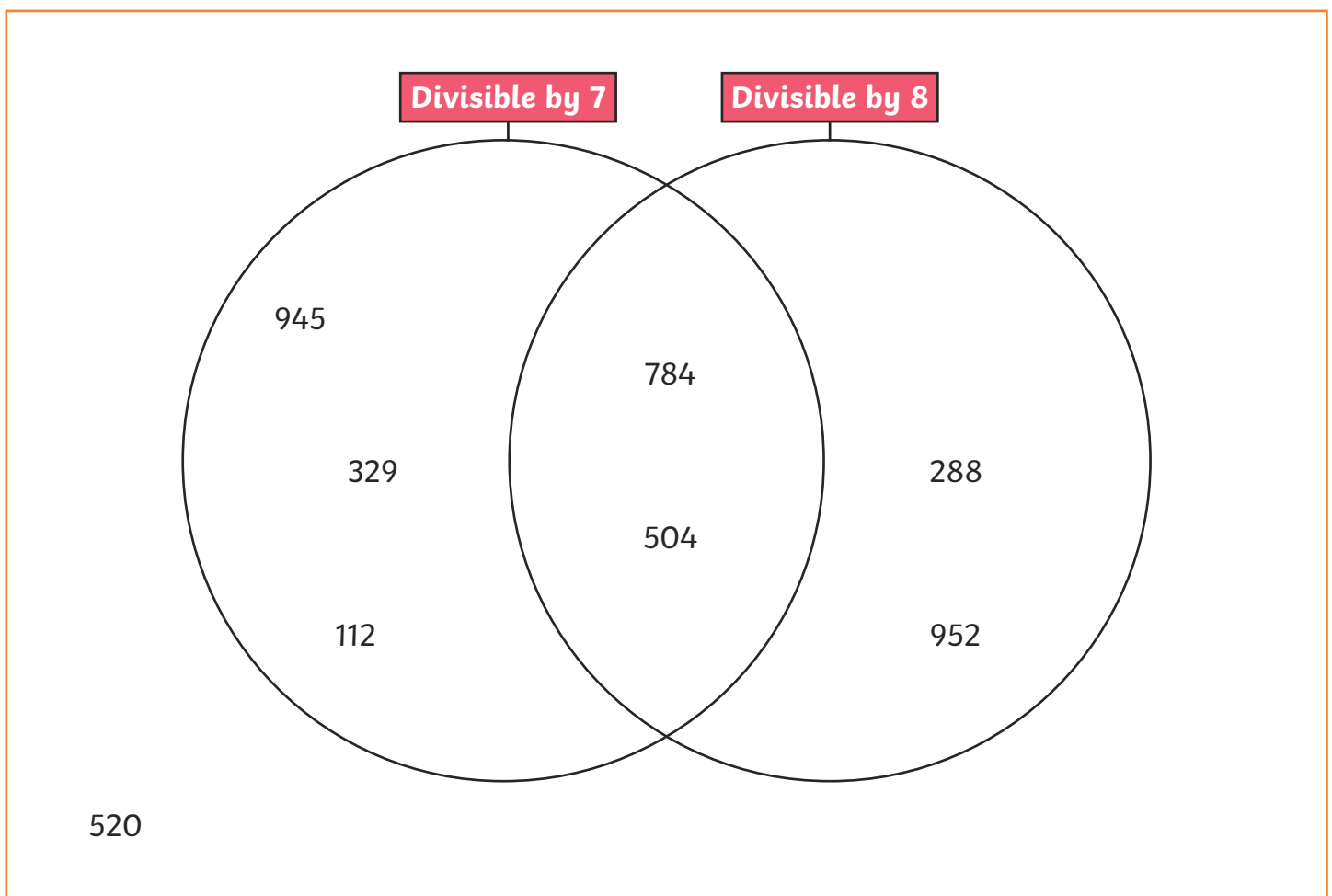
3) Use flexible partitioning to help you compare these division calculations using $<$, $>$ or $=$.

a) $462 \div 7$ $384 \div 6$

b) $655 \div 5$ $536 \div 4$

c) $776 \div 8$ $873 \div 9$

4) a) Eva sorted these 3-digit number into the Venn diagram using flexible partitioning to check her answers. Do you agree with Eva's positioning of the numbers? Check her answers carefully then circle any numbers that are positioned incorrectly and rewrite them in the correct place on the diagram.

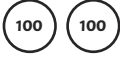
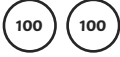
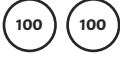


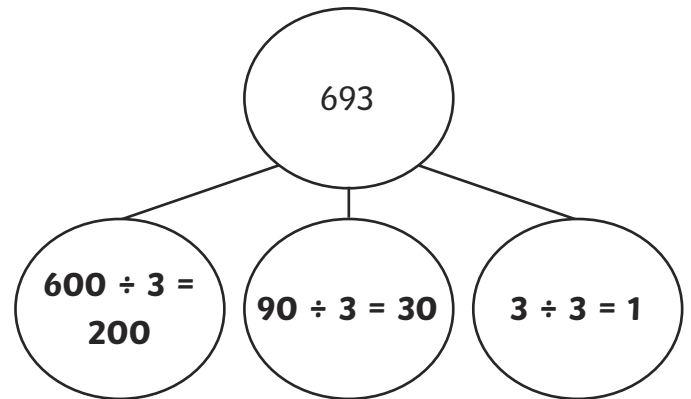
b) Give two more 3-digit numbers that could be positioned in the centre of the Venn diagram.

Divide 3-Digits by 1-Digit Answers

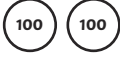
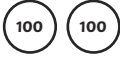
- 1) Draw the counters on the place value chart and complete the part-whole models to help you solve the division calculations.

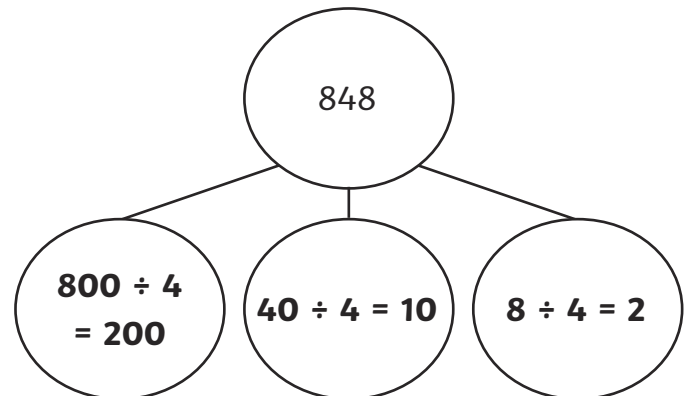
a) $693 \div 3 =$ **231**

Hundreds	Tens	Ones
		
		
		



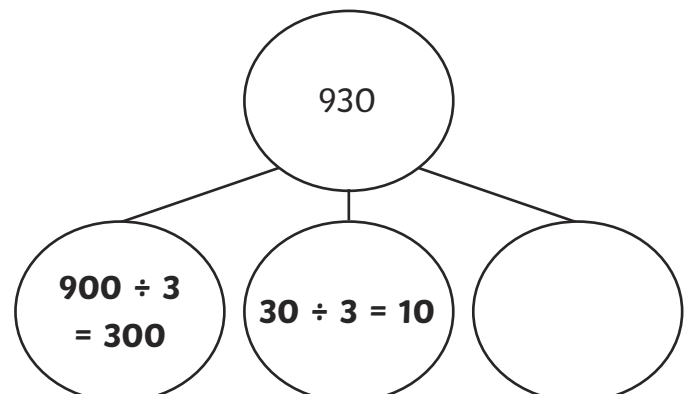
b) $848 \div 4 =$ **212**

Hundreds	Tens	Ones
		
		
		
		



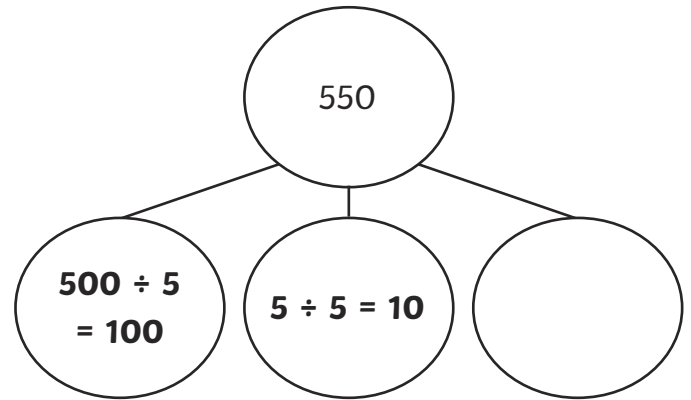
c) $930 \div 3 =$ **310**

Hundreds	Tens	Ones
		
		
		



d) $550 \div 5 =$ **110**

Hundreds	Tens	Ones
100	10	
100	10	
100	10	
100	10	
100	10	



2)

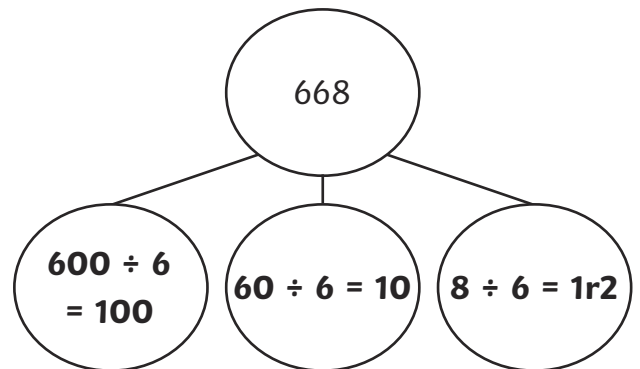


668 can be divided by 6 without leaving a remainder.
Damian

Is Daman correct? Draw counters on the place value chart and complete the part-whole model to show if Daman's statement is correct.

$668 \div 6 =$ **111r2**

Hundreds	Tens	Ones
100	10	1
100	10	1
100	10	1
100	10	1
100	10	1
100	10	1

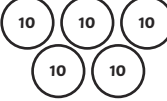
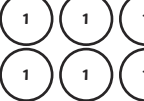
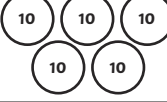
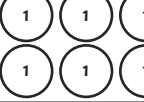
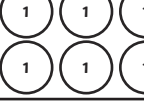


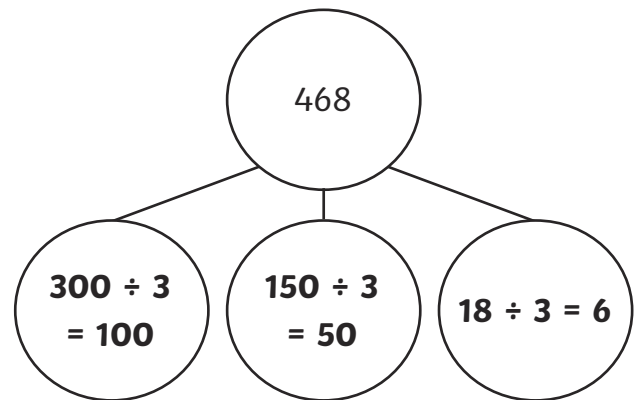
Daman's statement is not correct.

Divide 3-Digits by 1-Digit Answers

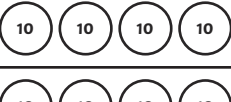
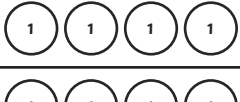
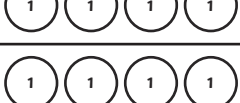
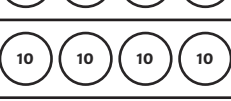
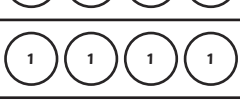
1) Draw the counters on the place value chart and complete the part-whole models to help you solve the division calculations.

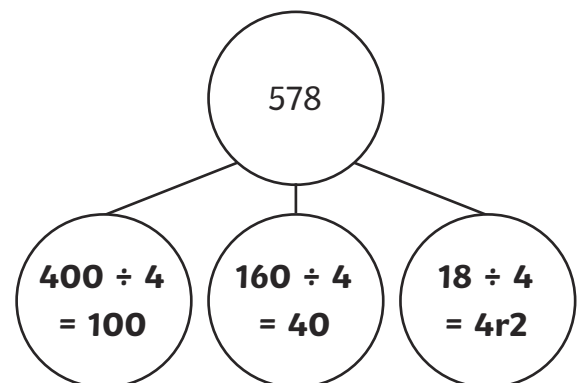
a) $468 \div 3 =$ **156**

Hundreds	Tens	Ones
		
		
		

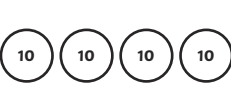
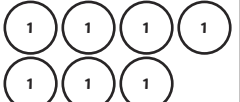
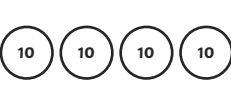
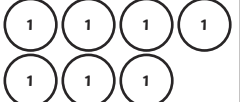
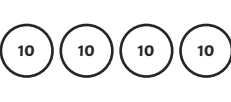
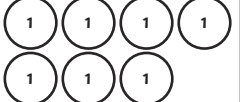
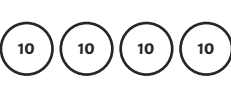
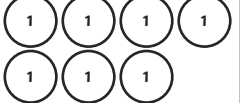
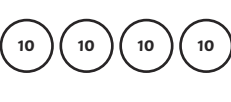
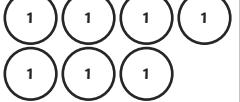


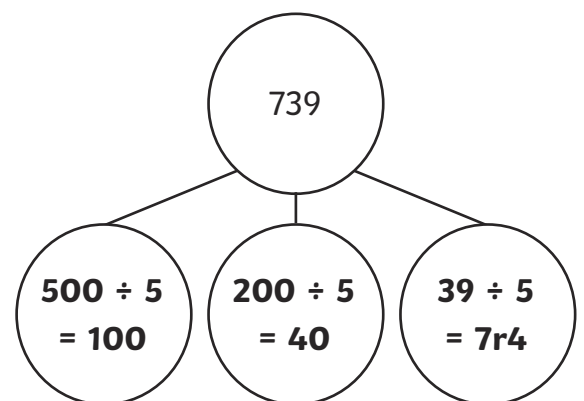
b) $578 \div 4 =$ **144r2**

Hundreds	Tens	Ones
		
		
		
		

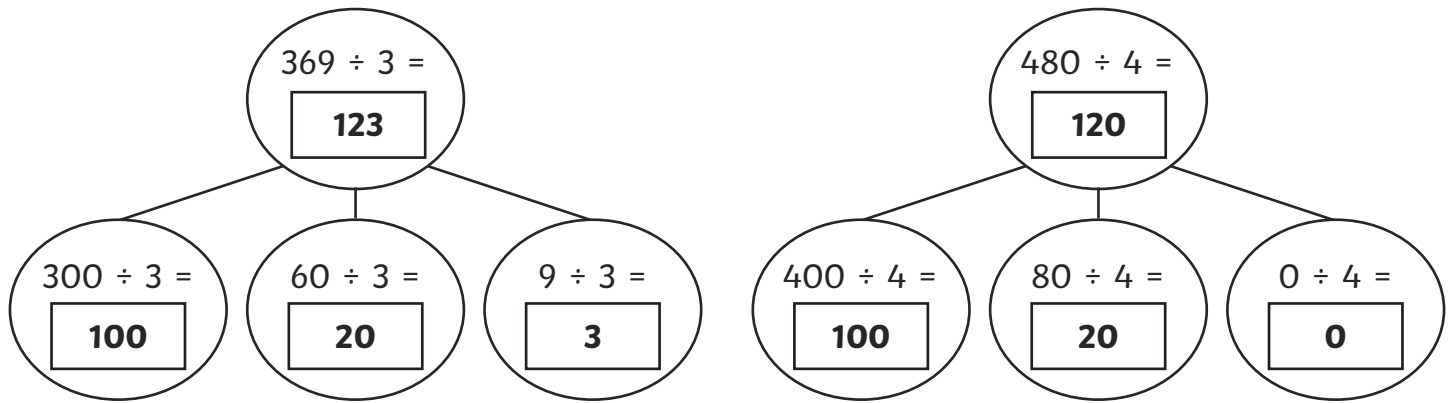


c) $739 \div 5 =$ **147r4**

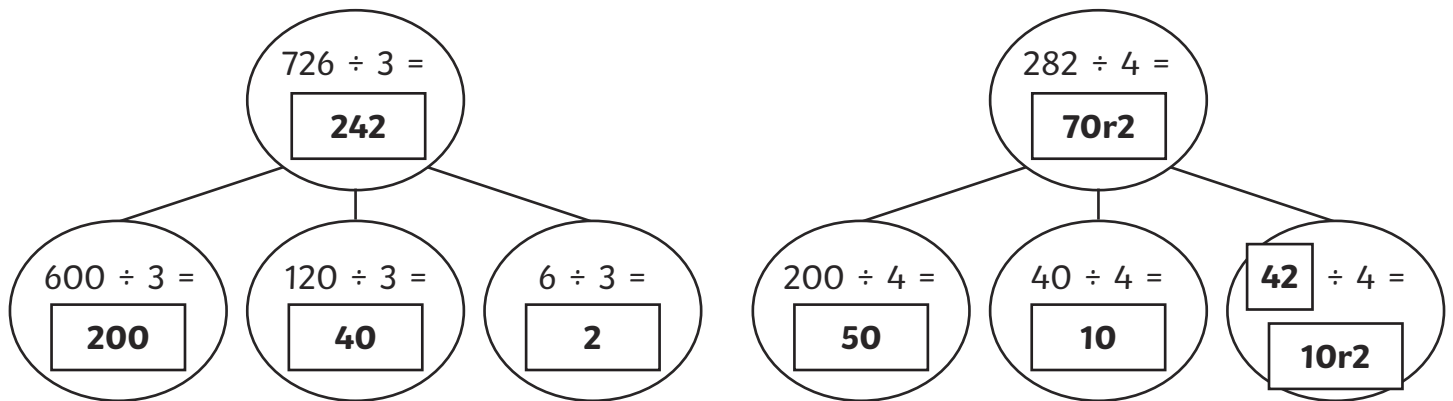
Hundreds	Tens	Ones
		
		
		
		
		



2) Complete the part-whole models to find the answer to each question.

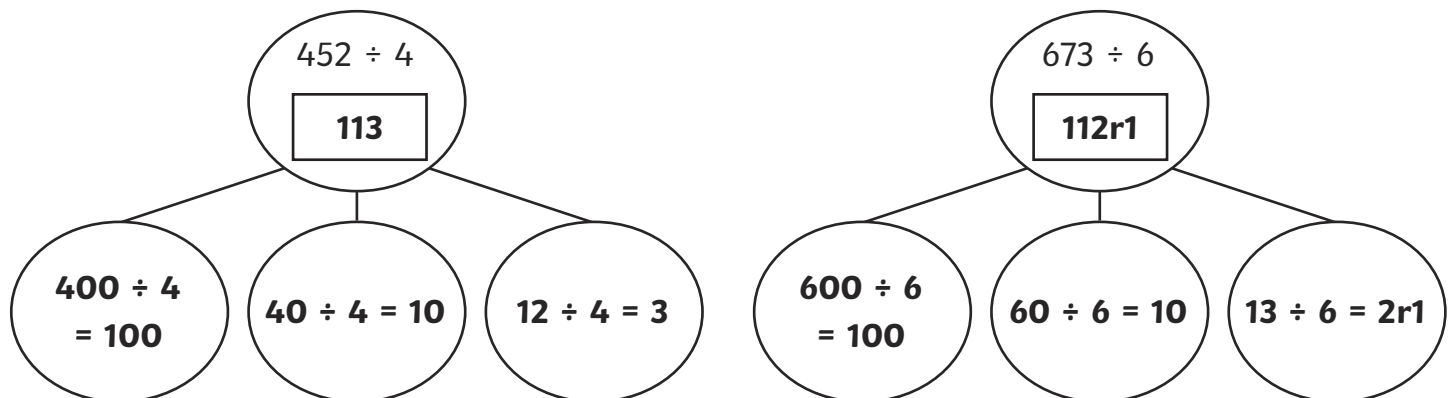


3) Harry has used flexible partitioning to solve these division questions. Complete the part-whole models to find the answer to each question.



4) Use flexible partitioning to solve each division question. Remember, you can partition your number into more than the three parts shown by drawing extra parts on the part-whole model or fewer parts by crossing out parts that you do not need.

Various answers possible. Example answers shown.



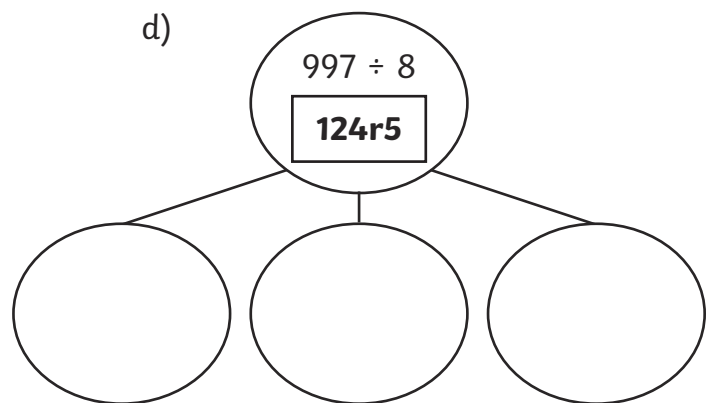
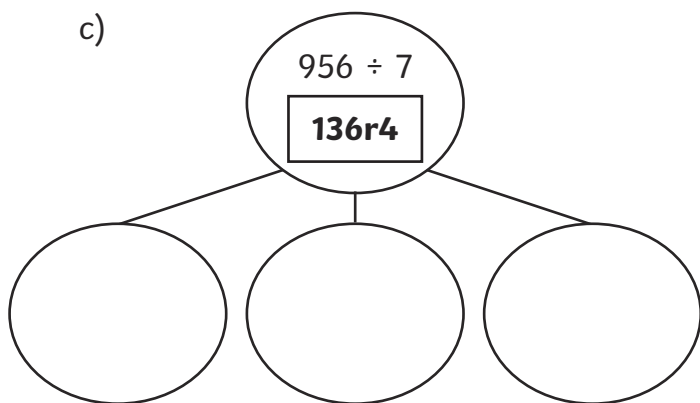
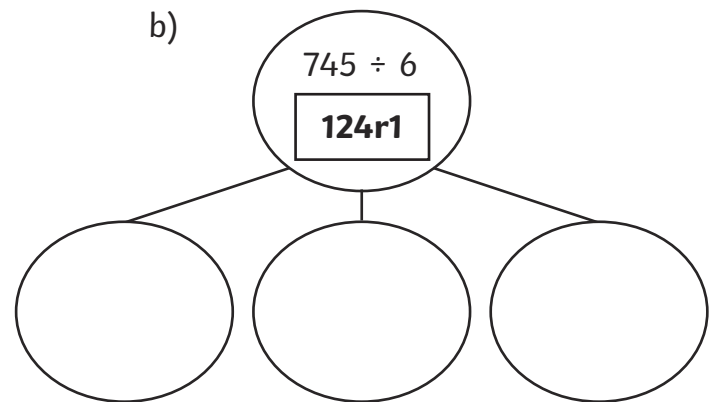
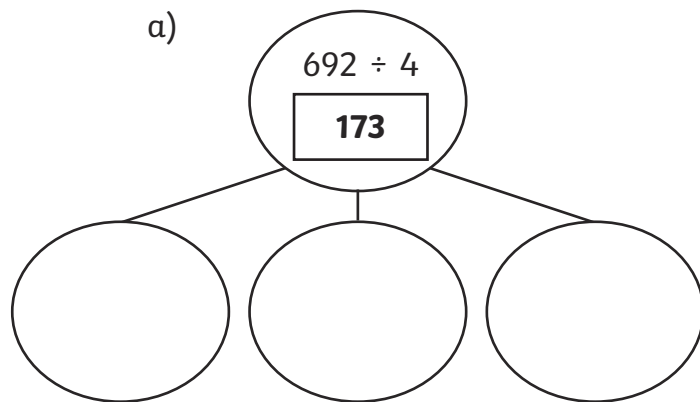
5) Use flexible partitioning to help you compare these division calculations using < , > or =.

$$294 \div 7 = 42 \quad < \quad 396 \div 6 = 66$$

$$864 \div 8 = 108 \quad = \quad 972 \div 9 = 108$$

Divide 3-Digits by 1-Digit Answers

- 1) Use flexible partitioning to solve each division question. Remember, you can partition your number into more or less than the three parts shown by drawing more parts on the part-whole model or crossing out parts that you do not need.

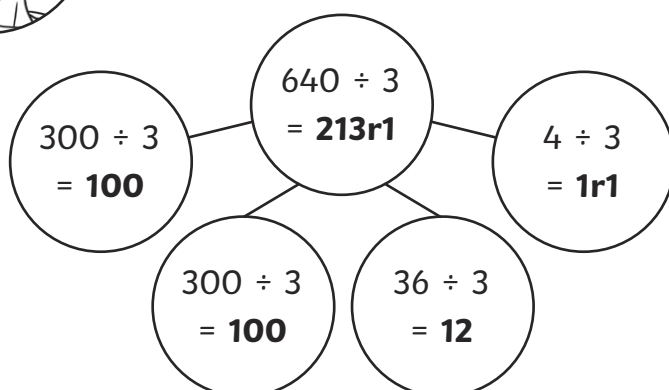


The answers given in the parts of the part-whole model will vary due to the flexible nature of the partitioning.

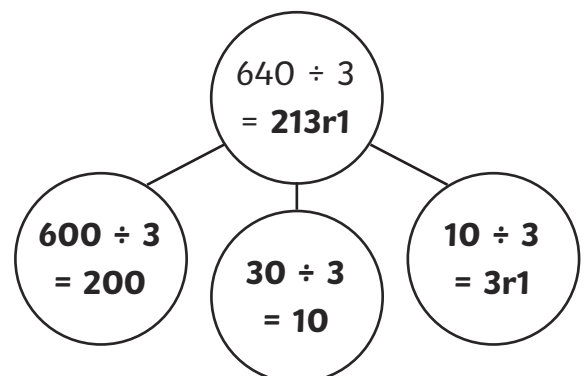
- 2) Dylan has used flexible partitioning to solve $765 \div 9$. Show another way that Dylan could have partitioned the number to solve the problem.



Dylan's Method:



The answers given in the parts of the part-whole model will vary due to the flexible nature of the partitioning. Example answer given:



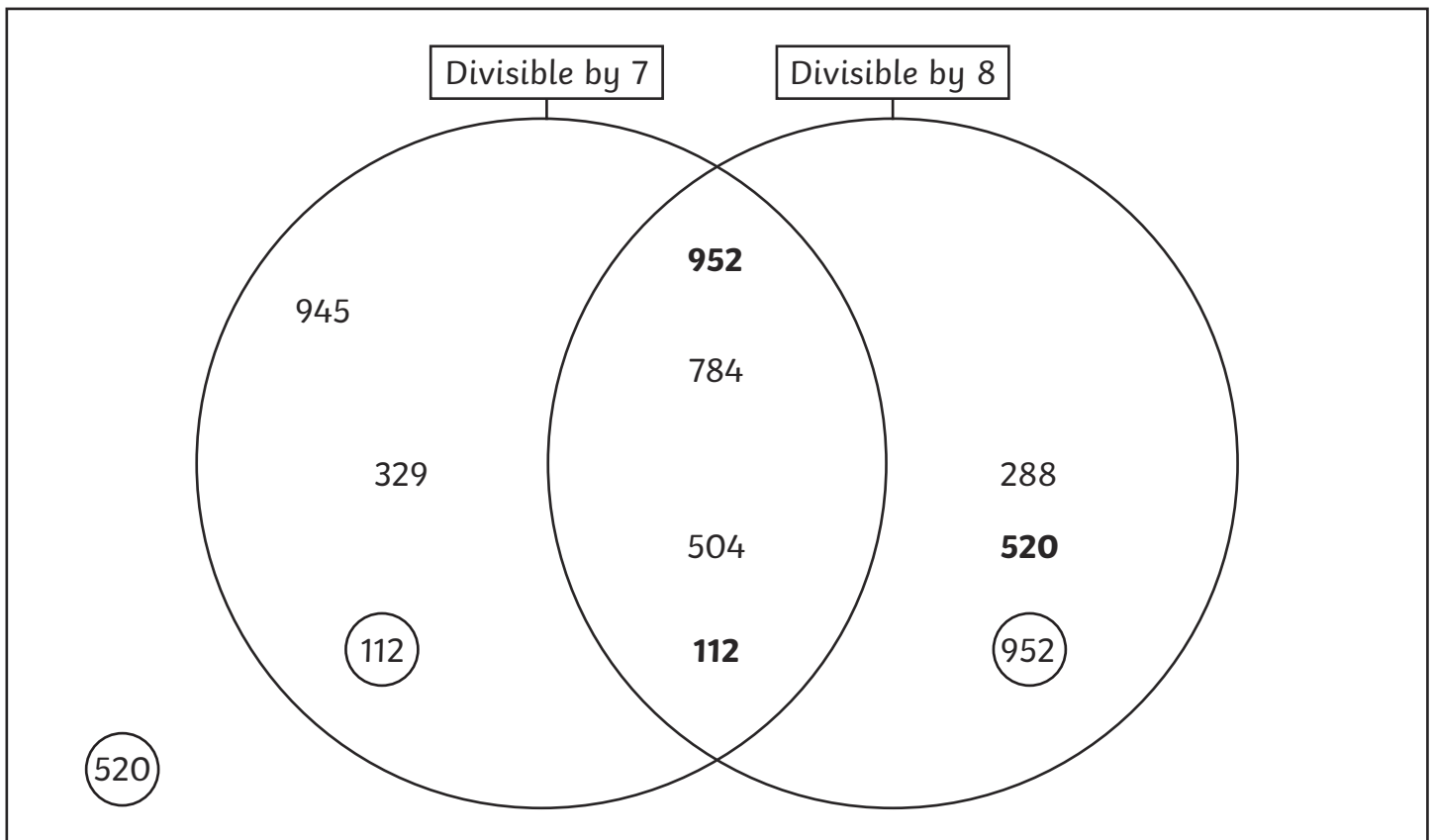
3) Use flexible partitioning to help you compare these division calculations using $<$, $>$ or $=$.

a) $462 \div 7$ $\boxed{>}$ $384 \div 6$
 $= 66$ $= 64$

b) $655 \div 5$ $\boxed{<}$ $536 \div 4$
 $= 131$ $= 134$

c) $776 \div 8$ $\boxed{=}$ $873 \div 9$
 $= 97$ $= 97$

4) a) Eva sorted these 3-digit number into the Venn diagram using flexible partitioning to check her answers. Do you agree with Eva's positioning of the numbers? Check her answers carefully then circle any numbers that are positioned incorrectly and rewrite them in the correct place on the diagram.



b) Give two more 3-digit numbers that could be positioned in the centre of the Venn diagram.

Accept any two numbers from the following: 168, 224, 280, 336, 392, 448, 560, 616, 672, 728, 840, 896.