

DIVISION – DAY 3

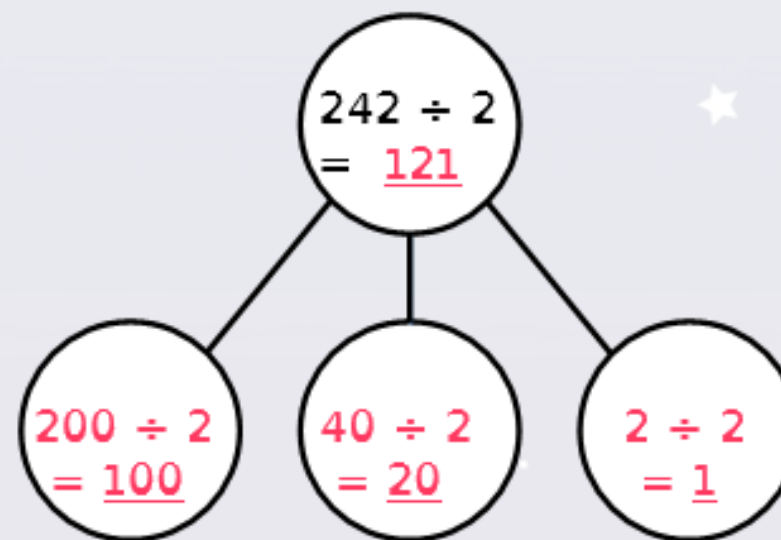
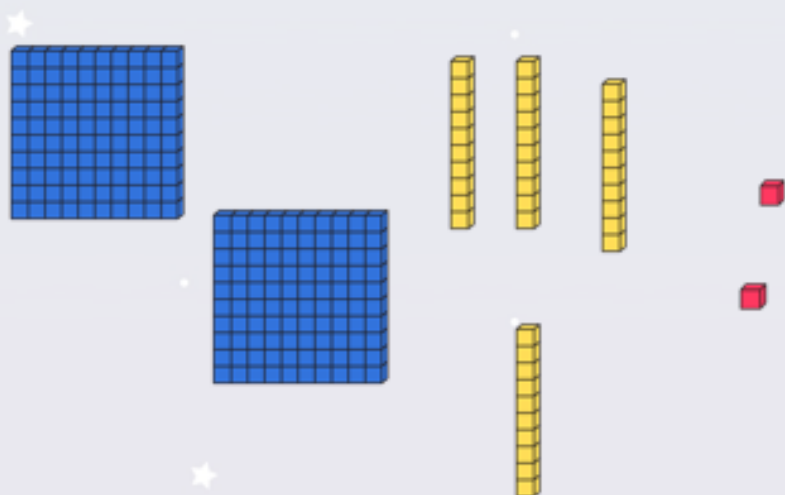
L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Talking Time:

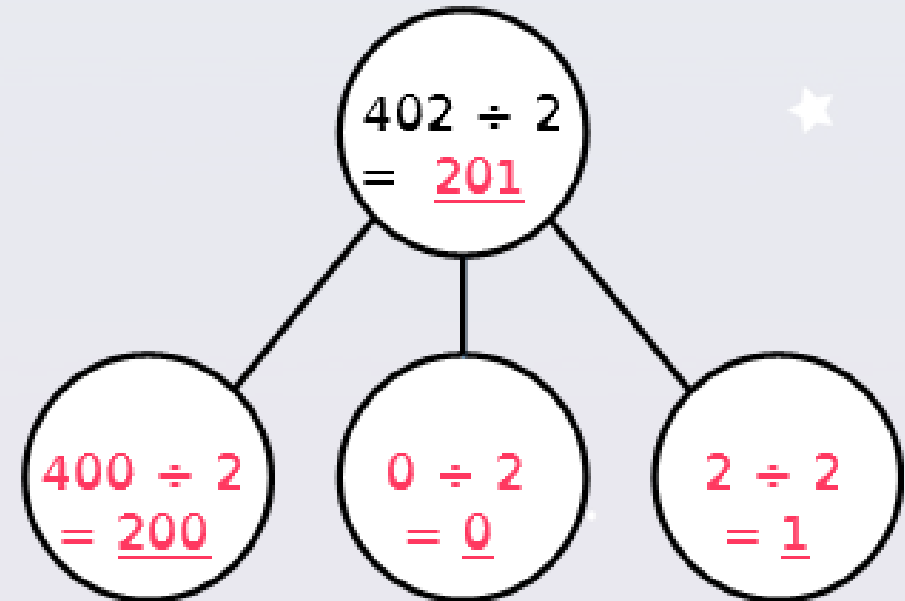
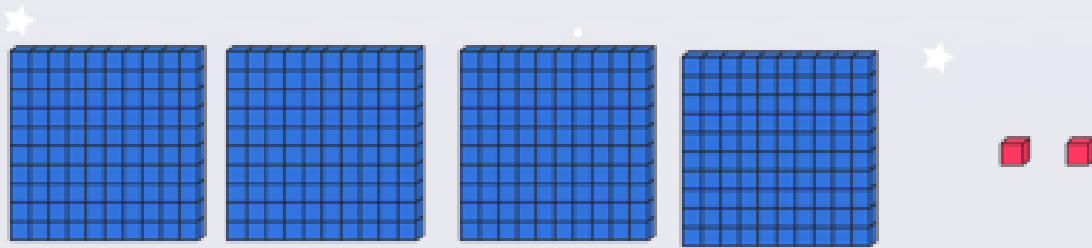
Jamal is using Base 10 pieces to divide 242 by 2.



FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

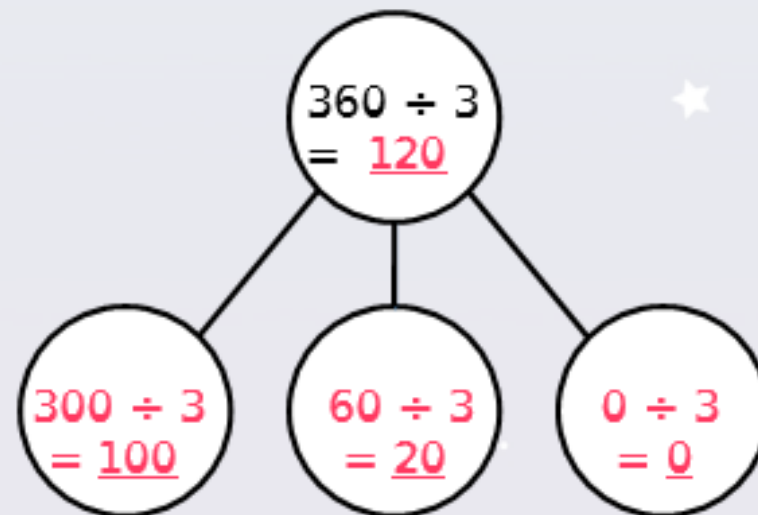
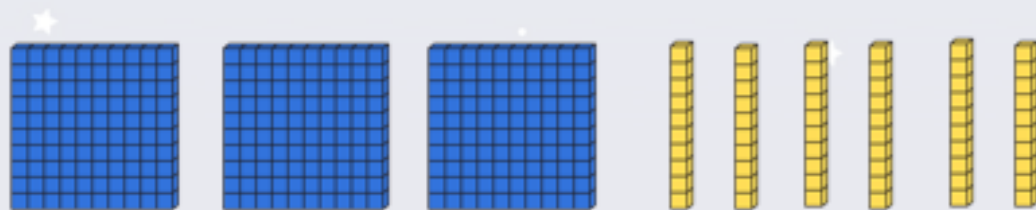
Jamal is using Base 10 pieces to divide 402 by 2.



FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Jamal is using Base 10 pieces to divide 360 by 3.



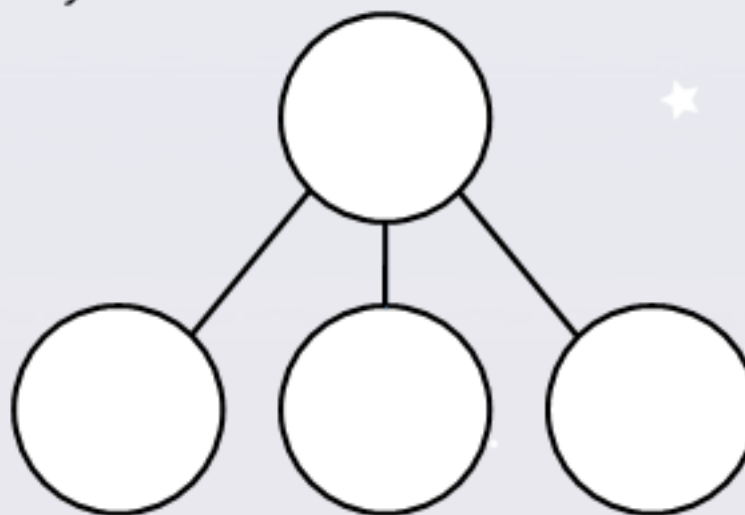
FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Talking Time:

Yasmin is using place value counters to divide 306 by 3.

hundreds	tens	ones

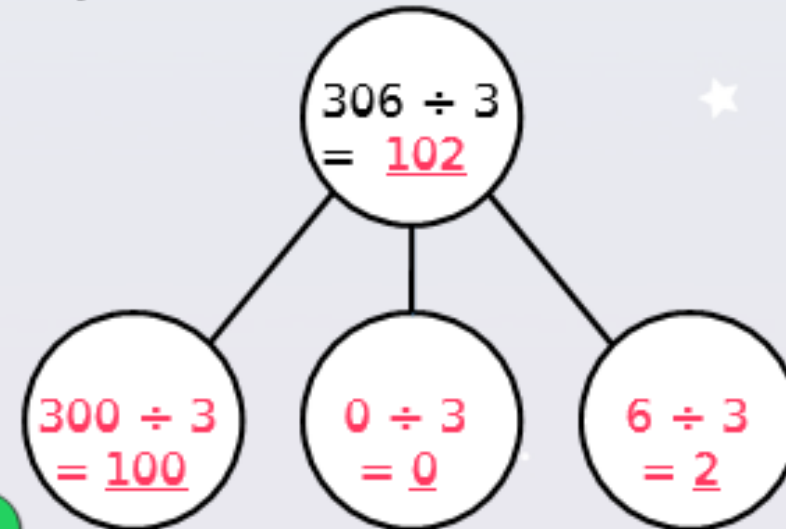


FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Yasmin is using place value counters to divide 306 by 3.

hundreds	tens	ones

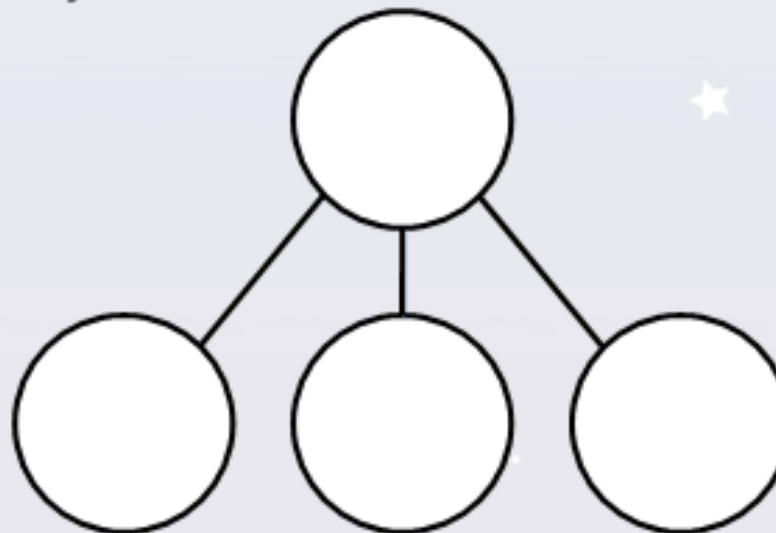


FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Yasmin is using place value counters to divide 480 by 4.

hundreds	tens	ones



FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Yasmin is using place value counters to divide 480 by 4.

hundreds	tens	ones

100

100

100

100

10

10

10

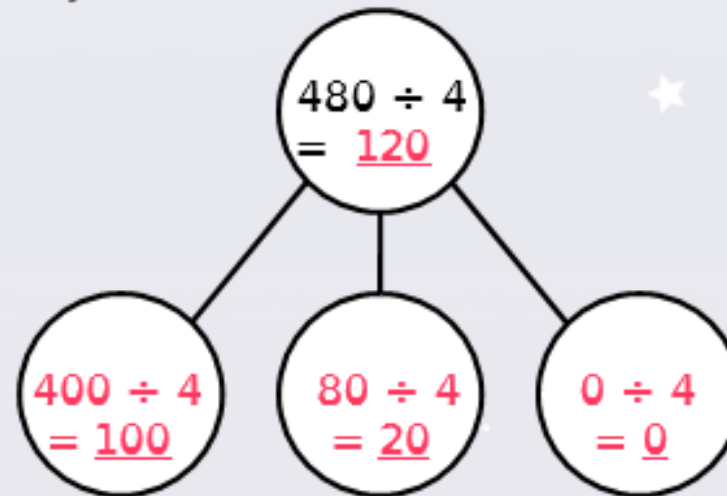
10

10

10

10

10



FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Use Yasmin's strategy to calculate:

a) $603 \div 3 =$

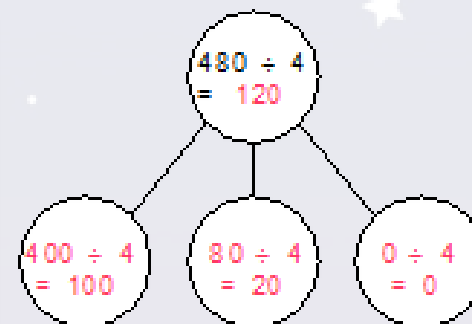
b) $960 \div 3 =$

c) $408 \div 4 =$

d) $660 \div 6 =$

e) $848 \div 4 =$

hundreds	tens	ones
100	10 10	
100	10 10	
100	10 10	
100	10 10	



FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Use Yasmin's strategy to calculate:

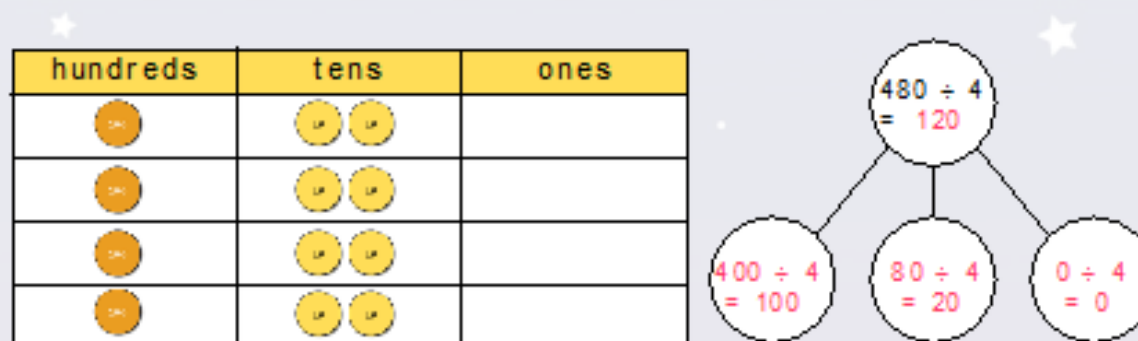
★ a) $603 \div 3 = \underline{201}$

b) $960 \div 3 = \underline{320}$

c) $408 \div 4 = \underline{102}$

d) $660 \div 6 = \underline{110}$

★ e) $848 \div 4 = \underline{212}$

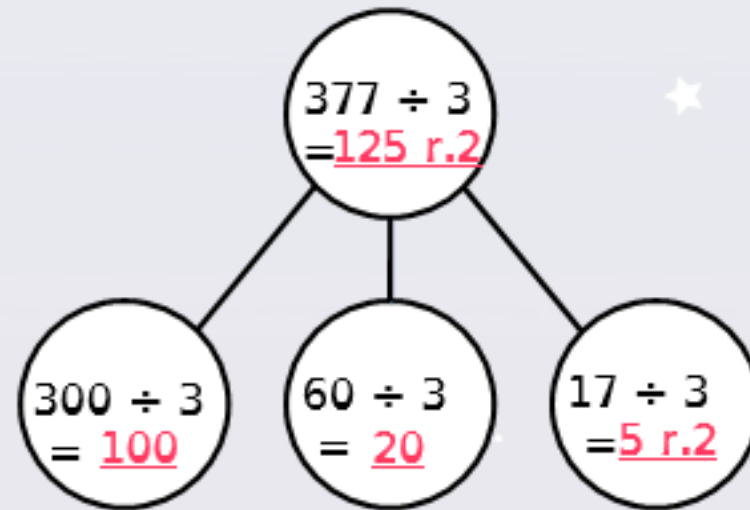


FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Partition 377 in many ways to divide it by 3.

hundreds	tens	ones
100	10 10	1 1 1 1 1
100	10 10	1 1 1 1 1
100	10 10	1 1 1 1 1
		1 1

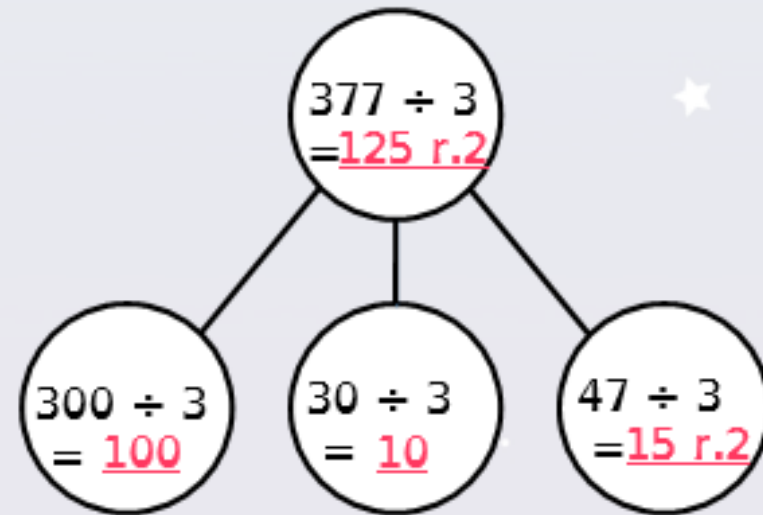


FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Partition 377 in many ways to divide it by 3.

hundreds	tens	ones
100	10 10	1 1 1 1 1
100	10 10	1 1 1 1 1
100	10 10	1 1 1 1 1



FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Partition the following numbers in many ways to solve:

★ a) $352 \div 3$

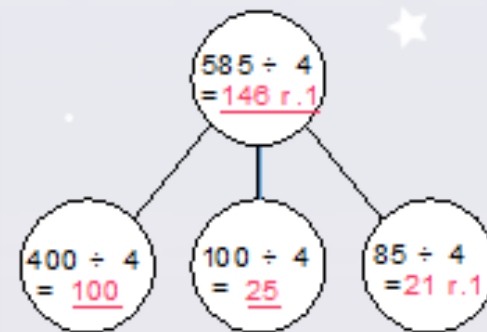
b) $764 \div 3$

c) $734 \div 6$

d) $854 \div 6$

★ e) $857 \div 7$

hundreds	tens	ones
●	● ●	●
●	● ●	●
●	● ●	●
●	● ●	●



FLUENCY

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Partition the following numbers in many ways to solve:

a) $352 \div 3 = \underline{117 \text{ r.1}}$

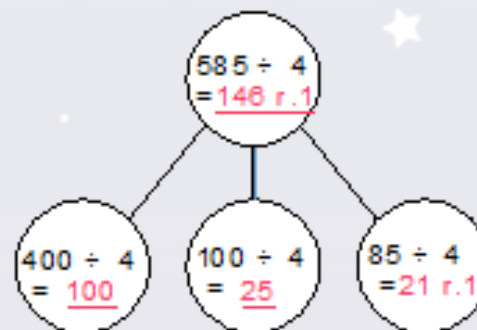
b) $764 \div 3 = \underline{254 \text{ r.2}}$

c) $734 \div 6 = \underline{122 \text{ r.2}}$

d) $854 \div 6 = \underline{142 \text{ r.2}}$

e) $857 \div 7 = \underline{122 \text{ r.3}}$

hundreds	tens	ones
●	● ●	●
●	● ●	●
●	● ●	●
●	● ●	●



PROBLEM SOLVING

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Use part-whole models to help you solve the word problems below:

- ★ a) A bakery produces 367 muffins per day.
They place 3 muffins in a box.
How many boxes do they use each day?
Are there any muffins left over at the end of the day?



- b) A farmer picked 637 pears last week.
She placed them in boxes with 6 pears in each box.
How many boxes did she fill?
Did she have any pears left over?



PROBLEM SOLVING

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Use part-whole models to help you solve the word problems below:

- ★ a) A bakery produces 367 muffins per day.
They place 3 muffins in a box.
How many boxes do they use each day?
Are there any muffins left over at the end of the day?



$367 \div 3 = 122 \text{ r.1}$, so 122 boxes are used with one muffin left over!

- b) A farmer picked 637 pears last week.
She placed them in boxes with 6 pears in each box.
How many boxes did she fill?
Did she have any pears left over?



$637 \div 6 = 106 \text{ r.1}$, so 106 boxes are filled with one pear left over!

PROBLEM SOLVING

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Use part-whole models to help you solve the word problems below:

- ★ a) A bakery produces 698 cookies per day.
They place 3 cookies in a bag. ★
How many bags do they use each day?
Are there any cookies left over at the end of the day?



- b) A farmer picked 755 apples last week.
She placed them in boxes with 6 apples in each box.
How many boxes did she fill?
Did she have any apples left over?



PROBLEM SOLVING

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Use part-whole models to help you solve the word problems below:

- ★ a) A bakery produces 698 cookies per day.
They place 3 cookies in a bag.
How many bags do they use each day?
Are there any cookies left over at the end of the day?



$698 \div 3 = 232 \text{ r.}2$, so 132 bags are used with two cookies left over!

- b) A farmer picked 755 apples last week.
She placed them in boxes with 6 apples in each box.
How many boxes did she fill?
Did she have any apples left over?



$755 \div 6 = 125 \text{ r.}5$, so 125 boxes are filled with five apples left over!

PROBLEM SOLVING

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Using 15 counters and a place value chart, create:

- ★ a) a three-digit number that can be divided by 2;
- b) a three-digit number than can be divided by 4;
- c) a three-digit number that can be divided by 3;
- d) a three digit number that can be divided by 5.

hundreds	tens	ones



★ Extension: Create three-digit numbers that are divisible by 6, 7, 8 and 9...

PROBLEM SOLVING

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Using 15 counters and a place value chart, create:

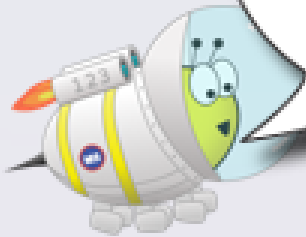
- ★ a) a three-digit number that can be divided by 2;
For example, 762, 870... ★
- b) a three-digit number than can be divided by 4;
For example, 744, 780...
- c) a three-digit number that can be divided by 3;
For example, 366, 393...
- d) a three digit number that can be divided by 5.
For example, 555, 780, 870... ★

hundreds	tens	ones



REASONING

Evaluation:



An even three-digit number divided by an odd number will require a remainder.

Is Astrobee's statement always, sometimes or never true?
Explain your answer.

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REASONING

L.O. I can use mathematical equipment to support my understanding of dividing 3-digit numbers by 1-digit numbers

Evaluation:



An even three-digit number divided by an odd number will require a remainder.

Astrobee's statement is only sometimes true. For example, $606 \div 3 = 202$, so an even three-digit number divided by an odd number that does not require a remainder. However, $554 \div 5 = 110 \text{ r.}4$, so an even three-digit number divided by an odd number that does require a remainder.