YR4 PROGRESSION IN MASTERY LESSON PACK - MULTIPLY 3-DIGITS BY 1-DIGIT

FLUENCY 1

Use place value counters to represent the calculation.

H	T	O
100 100 100 100		

100 10 1

	4	3	2
×			2

Start with the _____ to exchange to _____ if needed.
If there are _____ or more 1s, exchange for a _____.
If there are _____ or more 10s, exchange for a _____.
If there are _____ or more 100s, exchange for a _____.

Now, represent the calculations below using place value counters alongside the formal written method.

243 x 3

128 x 4

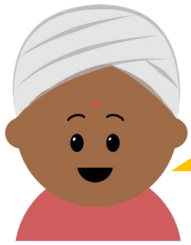
FLUENCY 2

Write a word problem to match the calculation represented with place value counters.

H	T	O
100 100 100		1 1 1 1 1
100 100 100		1 1 1 1 1
100 100 100		1 1 1 1 1

FLUENCY 3

Ranjit and four of his friends climbed up a 184 foot tall tower block.



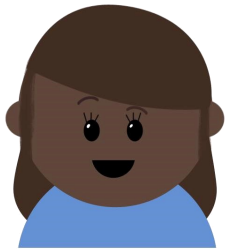
How many feet did we climb in total between us?

FLUENCY TASKS

YR4 PROGRESSION IN MASTERY LESSON PACK - MULTIPLY 3-DIGITS BY 1-DIGIT

REASONING 1

Anita has been multiplying 3-digits by 1-digit.



	6	0	5
×			4
2	4	6	0

2

Describe and correct her error.

REASONING 2

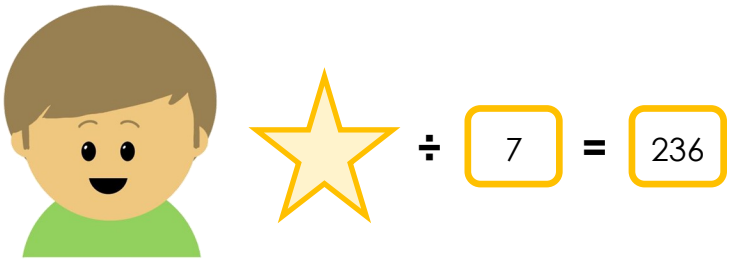
Always, Sometimes or Never?

Any 3-digit number multiplied by a 1-digit number will result in a product that goes into the thousands.

Explain your reasoning!

REASONING 3

What number has Jerry covered up with a sticker?



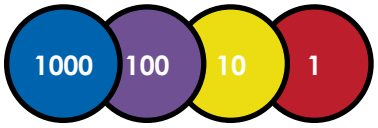
Explain how you know!

REASONING 4

Has the calculation been solved correctly?

Use place value counters to convince me.

213 x 6 = 1,278



REASONING TASKS

PROBLEM SOLVING

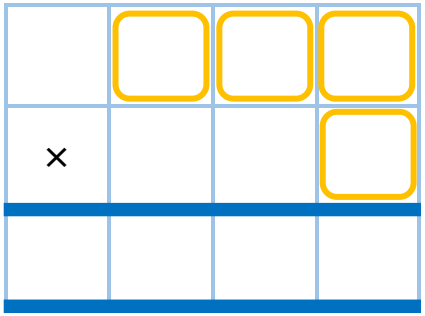
Roll a 6-sided dice four times and decide where best to put each of the digits.

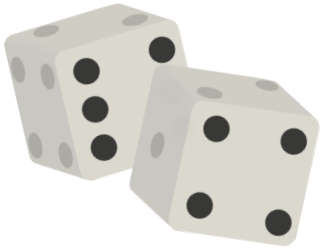
Let your partner do the same.

Multiply your 3-digit by 1-digit numbers.

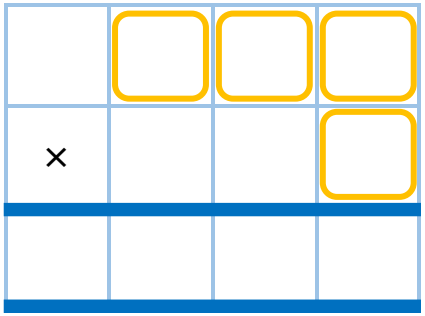
The winner is the person whose product is closest to 1,000.

Player A





Player B



REFLECTION

Describe the strategies that you used.

How did you decide where to put each digit?