



YR5 PROGRESSION IN MASTERY LESSON PACK - MULTIPLY 4-DIGITS BY 1-DIGIT

REASONING 1

Always, Sometimes or Never true?



If you multiply a 4-digit number by a 1-digit number, the answer will have only 4 digits.

Explain your reasoning!

REASONING 2

Spot the mistake.

$$2,415 \times 3 = 612,315$$

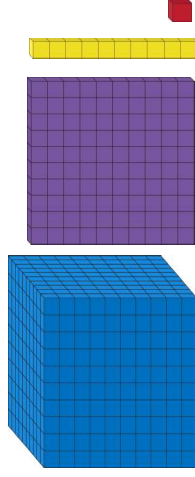
TH	H	T	O
1000 1000	100 100 100 100	10	1 1 1 1 1
1000 1000	100 100 100 100	10	1 1 1 1 1
1000 1000	100 100 100 100	10	1 1 1 1 1

REASONING 3

Convince Me

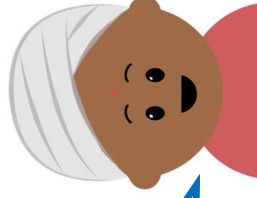
Use Base 10 materials to show that...

$$1,426 \times 4 = 5,704$$



REASONING 4

What is Ranjit's number?



I'm thinking of a number. When I divide it by 6, the answer is 4,523.

Explain how you know.

REASONING TASKS





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PROBLEM SOLVING 1

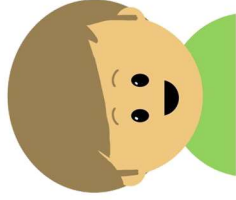
Fill in the missing numbers using the digit cards.

×	?000	?00	?
?	12,000	600	18

0 2 3 3 4 6 9

Jerry thinks there are two different solutions.

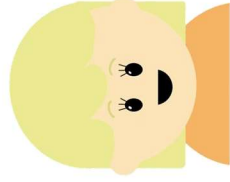
Do you agree?



PROBLEM SOLVING 2

Using any digits, can you find a solution?

$$\begin{array}{r} \square\square\square\square \\ \times \square \\ \hline 20664 \end{array}$$



Are there multiple possibilities for what the calculation could be?



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PROBLEM SOLVING TASKS