

STUDENT MATERIALS

Solve the following problems:

$\begin{array}{r} 032 \\ 1. \ 1344 \\ \times \ 7 \\ \hline 9408 \end{array}$	$\begin{array}{r} 333 \\ 2. \ 5879 \\ \times \ 4 \\ \hline 24516 \end{array}$	$\begin{array}{r} 11 \\ 3. \ 8123 \\ \times \ 6 \\ \hline 48738 \end{array}$
$\begin{array}{r} 4. \ 23 \\ \times \ 11 \\ \hline 23 \end{array}$	$\begin{array}{r} 2 \\ 5. \ 86 \\ \times \ 24 \\ \hline 12344 \end{array}$	$\begin{array}{r} 1 \\ 6. \ 25 \\ \times \ 73 \\ \hline 3575 \end{array}$

7. Jonas says that “if you multiply a four-digit number by a one-digit number, you get a five-digit number.”

Place numbers into the table to show when Jonas' claim is true and to show when his claim is not true. (False)

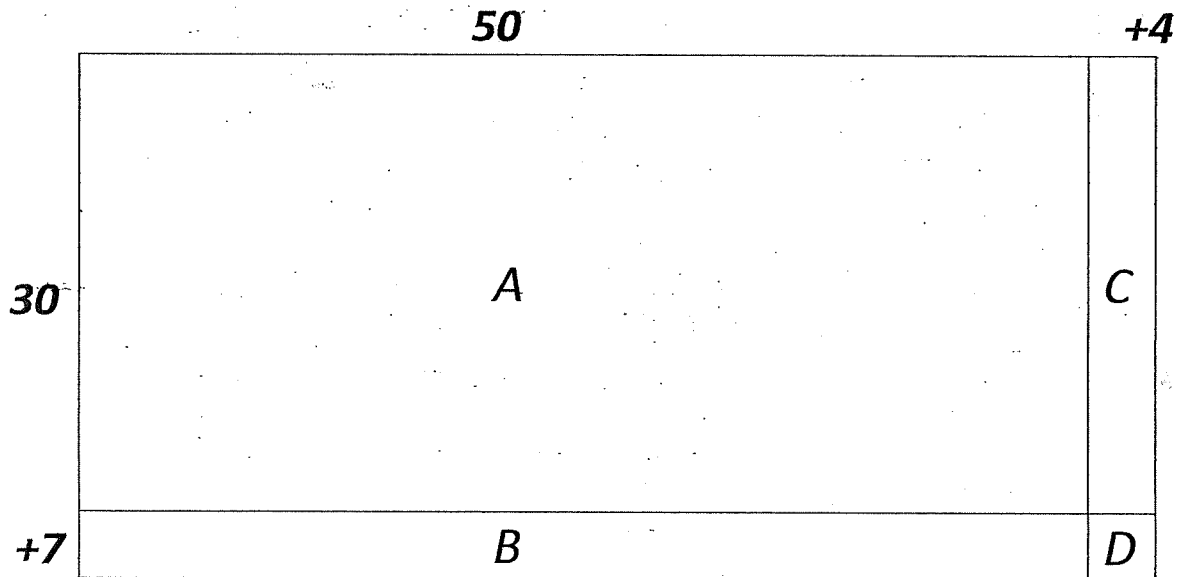
Example of when.....	4-digit number	1-digit number	Product
	1x=5 digits	1 digit x 1 digit	Answer=5 digits
Jonas' claim is true			
Jonas' claim is NOT true			

8. Angela claims that “when you multiply two two-digit numbers you will only get a four-digit number as an answer.” Is Angela correct? Explain. Make sure to provide an example. No Angela is not

right.

9. Fill in the blanks: $74 \times 24 = (70 + \underline{\quad}) \times (\underline{\quad} + 4)$

10A. In the area model shown below, $D = 28$. What are the values for A, B, and C? Show how you got the answers.



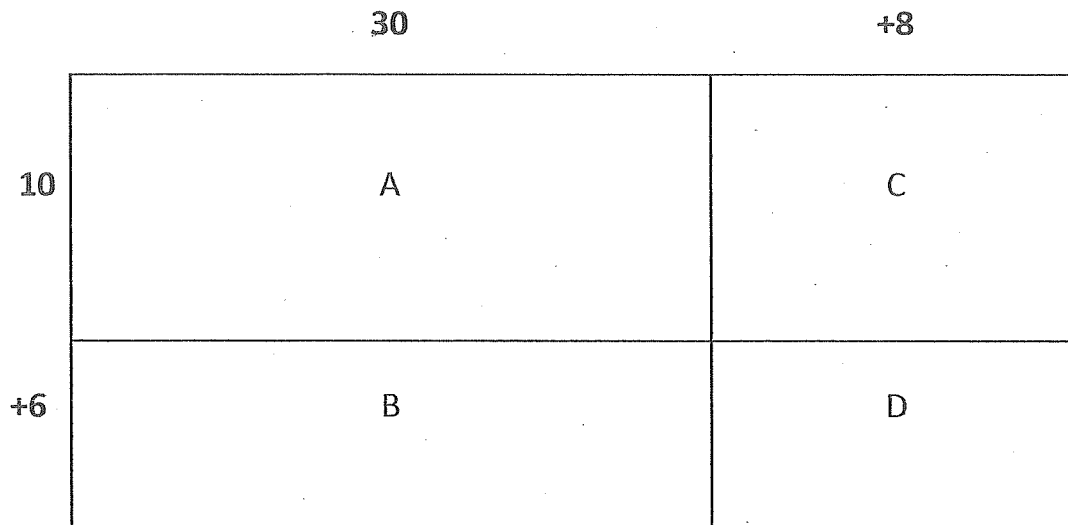
A= _____

B= _____

C= _____

Total area= _____

10B. In the area model shown below, $D = 48$. What are the values for A, B, and C? Show how you got the answers.



A= _____

B= _____

C= _____

Total area= _____



10C. The area models shown above in 10A and 10B are two lawns that Bobby can mow during the summer. He charges \$25 to mow a lawn. Which lawn is the better choice for him to mow for that cost? Explain.