STUDENT MATERIALS

Solve the following problems:

232 1. 1344 X 7 9,408	332 2. 5879 X 4 23,516	11 3. 8123 X 6 48,738
4. 23 X 11 + 23 230 253	1 2 5. 86 X 24 + 344 1720 2,064	12 6. 25 X 73 + 175 1750 1,825

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. if

Example of when.......	**4-digit number**	**1-digit number**	**Product**
	1X=5 digits	1 digit X 1 digits	5 Ansers 5 digits
Jonas' claim is true	true		tanser
Jonas' claim is **NOT** true		fulse	

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.

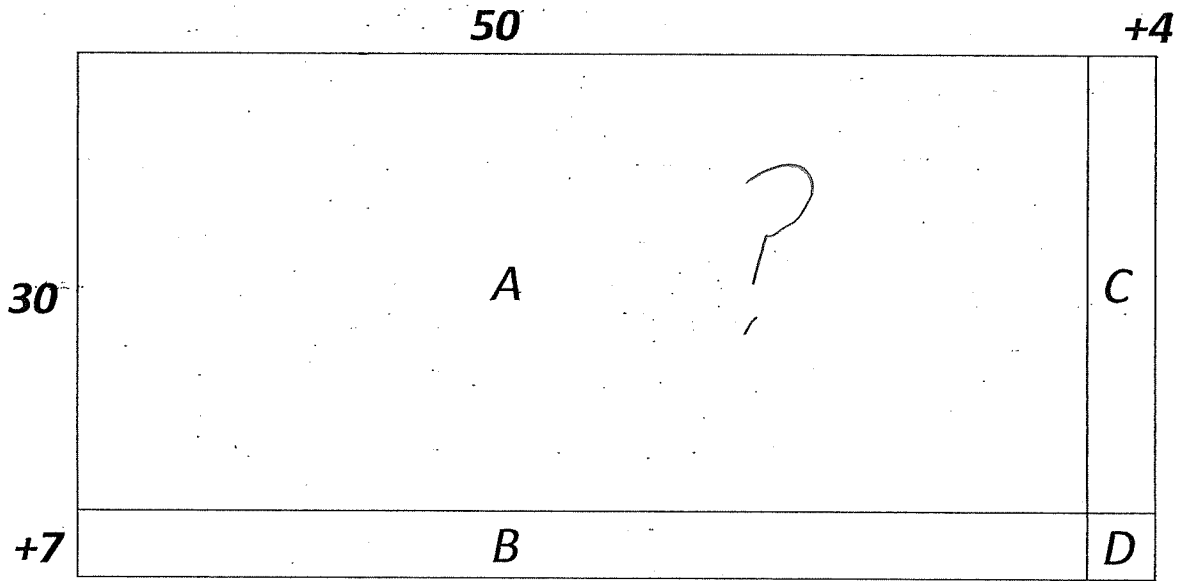
NO Angela is not correct Because when you multiply two two-digit numbers you can also get a 3 digit OR 5 digit NUMBER.

```
   11
   25
 x 22
-----
 + 50
  400
-----
  450
```

← Not a 4 diget number

9. Fill in the blanks: 74 X 24 = (70 + 4) X (30 + 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= ?

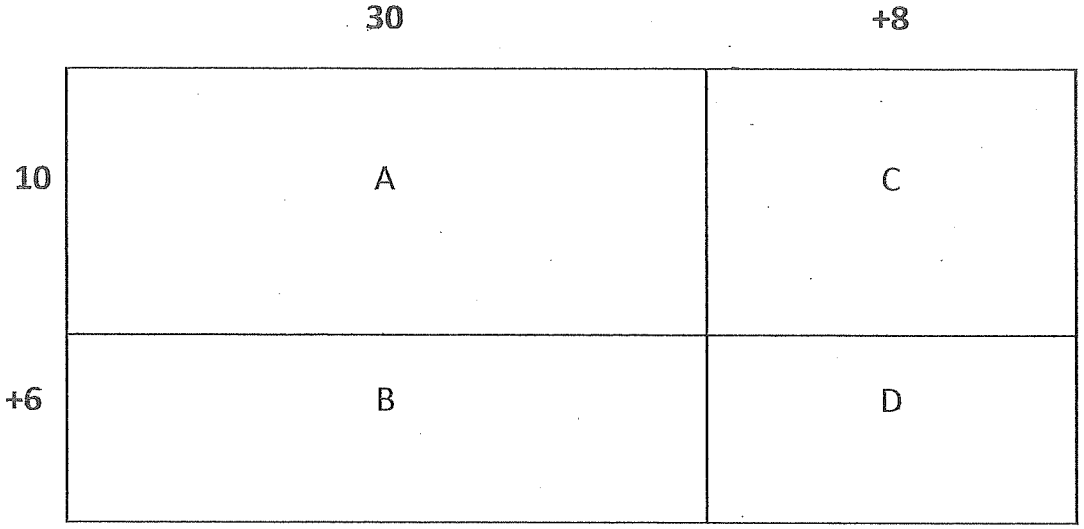
B= ?

C= ?

Total area= 1,736

74
x 24
296
+ 1480
1,736

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.