

Multiply 4 Digits by 2 Digits

1. Solve the calculation using a formal multiplication method.

		3	8	0	2
x				2	3
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4. Chloe is thinking of a number. She gives the following clues:



It is an odd 6-digit number.
It is the result of multiplying a 4-digit number by 51.
The 4-digit number has a digit sum of 4.

What is the smallest number Chloe could be thinking of? Prove it!

2. Match the calculations to the correct answers.

- A. $4,242 \times 23$ 1. $50,904$
- B. $4,242 \times 12$ 2. $60,600$
- C. $2,424 \times 25$ 3. $97,566$

5. Use two of the digit cards to create a multiplication that equals approximately 100,000.

$2,112 \times \square$

3 4 5 7

3. True or false? Show your working out.

$$7,121 \times 32 = 7,132 \times 21$$

6. A new kitchen costs £3,006 per house.

13 houses on Mitchell Terrace buy a new kitchen. The builder says the total cost is £39,068.

Is he correct? Explain your answer.