

Multiply 4 Digits by 2 Digits

1a. Dennis is thinking of a number. He gives the following clues:



It is an even 5-digit number.
It is the result of multiplying a 4-digit number by 12.
The 4-digit number has a digit sum of 5.

What is the smallest number Dennis could be thinking of?



PS

2a. Use two of the digit cards to create a multiplication that equals approximately 25,000.

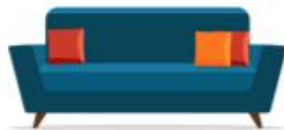
$$2,124 \quad \times \quad \underline{\hspace{2cm}}$$



PS

3a. A sofa costs £1,213.

12 families buy a sofa each. The furniture salesperson says the total cost is £15,556.



Is he correct? Explain your answer.



E

Multiply 4 Digits by 2 Digits

4a. Saaim is thinking of a number. He gives the following clues:



It is an even 5-digit number.
It is the result of multiplying a 4-digit number by 23.
The 4-digit number has a digit sum of 7.

What is the largest number Saaim could be thinking of?



PS

5a. Use two of the digit cards to create a multiplication that equals approximately 17,000.

$$1,422 \quad \times \quad \underline{\hspace{2cm}}$$



PS

6a. A TV package costs £1,419 per house.

23 houses on Brook Street buy this package. The TV salesperson says the total cost is £32,607.



Is he correct? Explain your answer.



E

Multiply 4 Digits by 2 Digits

7a. Honey is thinking of a number. She gives the following clues:



It is an odd 6-digit number between 200,000 and 220,000.
It is the result of multiplying a 4-digit number by 51.
The 4-digit number has a digit sum of 7.

Which numbers could Honey be thinking of?



PS

8a. Use three of the digit cards to create a multiplication that equals approximately 482,000.

$$7,19 \square \quad \times \quad \square \square$$



PS

9a. A motorbike costs £6,259.

The motorbike sales person says he would need to sell between 80 and 85 motorbikes to reach his target of £600,000.



Is he correct? Explain your answer.



E