## An Odd Spell of Maths


a. Find the totals for THE and HEM.
b. Write another 3-letter word from mathematics and find its total.
c. What do you notice about the totals of these three words? Can you explain why this happens?
d. i. Find all the possible number totals for MAT.
ii. What do they have in common?
iii. Why does this happen?

a. Make your own 4-letter words from mathematics and see if Iosefo is correct.
b. If he is correct, why does this happen?
4. The word mathematics has 11 letters. Predict whether the total will be odd or even. Explain why you think this.


Kara writes even numbers under the letters in mathematics:

## M A T H E M A T I C S <br> $\begin{array}{lllllllllll}2 & 4 & 6 & 8 & 10 & 12 & 14 & 16 & 18 & 20 & 22\end{array}$

Make some different words from mathematics and check what happens when you add even numbers.
6. What have you found out about adding odd numbers and adding even numbers? Discuss this with a classmate.

