



Science Fiction Station

Worksheet to accompany the video readings of
Ilnoblet Elmer and the Alien Water Thieves by Kathryn Rose Newey
(available from <https://www.youtube.com/user/AztecMermaid13>).

Chapter 8: Symmetrical Weapons in the Morning - Worksheet Part A



Activity 1: In this chapter, Ilnoblet discovers something the Mootilokygogrifies don't seem to like.

Listen to the author reading this chapter, and write down the special words Ilnoblet uses here:

Can you identify any more of these special words in Ilnoblet's poem about 'Seasons'? Write them here:

Did you know? There are **Palindrome names** (eg. Hannah, Bob) and **Palindrome sentences** too: "Was it a car or a cat I saw?"

Find more examples here:

<https://kids.niehs.nih.gov/games/brainteasers/palindromes/index.htm> and here:

<https://digitalcommons.butler.edu/cgi/viewcontent.cgi?article=4080&context=wordways>

Now you're going to **write a mini story using Palindrome words, names, phrases or even sentences** (not everything has to be a Palindrome, but see how many you can squeeze in!). Your story will probably be silly and funny. Challenge yourself to keep going with as many lines as possible!



Chapter 8: Symmetrical Weapons in the Morning

Worksheet Part B



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Activity 2: There are **Palindrome Numbers** too! Try this:

Think of any number with more than 1 digit, say a 2-digit number, for example 29. Now add it to the reverse of that number, so $29 + 92 = 121$. The answer is almost always a palindromic number!

Try it with other numbers. Did you find any where it didn't end up as a palindromic number?

Have a look at this website for some cool palindrome numbers stuff: <https://nrich.maths.org/2574>



Activity 3: Now try these:

1. I am a three digit palindrome. I am less than 500. I am greater than 200. All my digits are odd. If you take each of my three digits and add them together, they equal 7. What number am I?
2. I am a four digit number. I have a one in my thousands place, and a two in my hundreds place. I am a palindrome. What number am I?
3. I am a palindrome. I am >11 (greater than eleven) and <50 (less than fifty). I am an odd number. What am I?
4. I am also a palindrome. I am greater than the number of days in a year and less than 19×20 . What number am I?
5. I'm a seven digit number. Six of my digits are zeros. I am the greatest number possible with those characteristics. What number am I?

Thanks to: <http://www.rhlschool.com/math5n2.htm>

When you write dates as numbers, eg. 13-03-1965, can you think of any that are palindromes?

Try this on a calculator:
 $111,111 \times 111,111$
What do you get? 😊

Answers – Activity 3:
1. 313 2. 1221 3. 33 4. 373 5. 9,000,000

