



Word Problems



- **WALT: Read, Solve and understand Word Problems.**
- **WILF: I can use the RUCSAC method to Read, Solve and Understand Word Problems.**

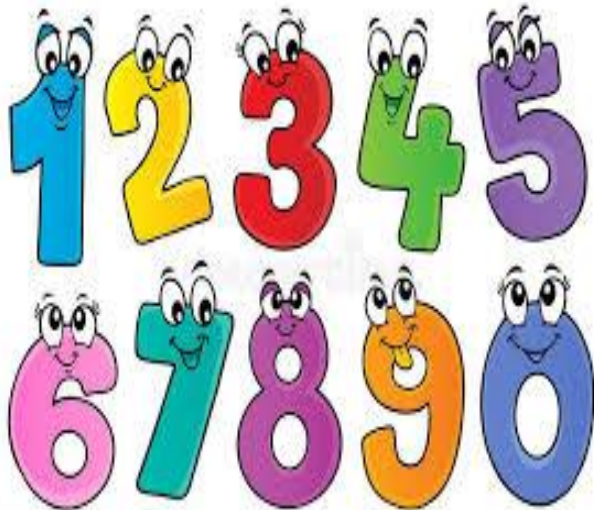
A Quick Recap!

Last week we learnt about how to **solve** word problems using the **RUCSAC** method. We used this method to solve **addition** word problems.



Today!

We are going to learn how to solve subtraction word problems using the **RUCSAC** method.



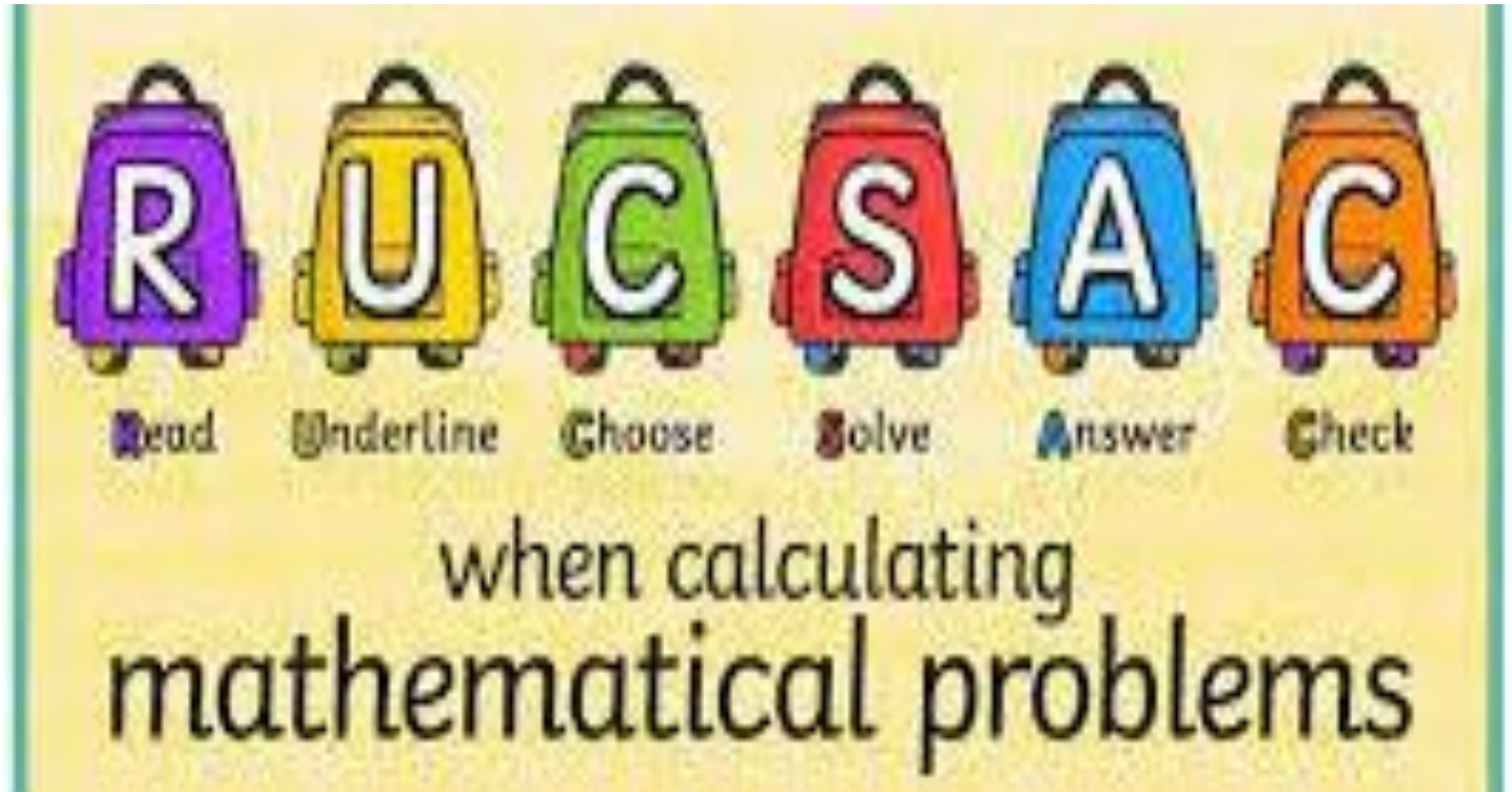
- When we solve word problems the first thing, we must do is read the question.
- Then we must understand it. If there are words such as:

- Take away
- Minus
- Difference
- Fewer
- Count back



It means that we must SUBTRACT. These are all the **different** ways of saying **SUBTRACTION!!!**

So what is the **RUCSAC** Method



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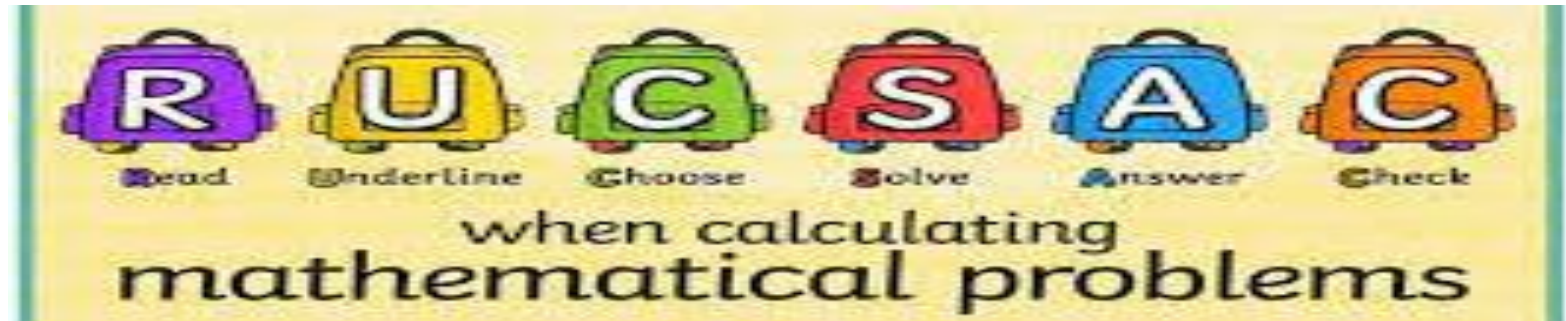


- **R**ead
- **U**nderstand
- **C**hoose number operation EG: **ADDING, SUBTRACTING, MULTIPLYING AND DIVIDING**
- **S**olve the problem
- **A**nsWER the problem
- **C**heck the answer



Lets try some examples using the
Rucsac Method



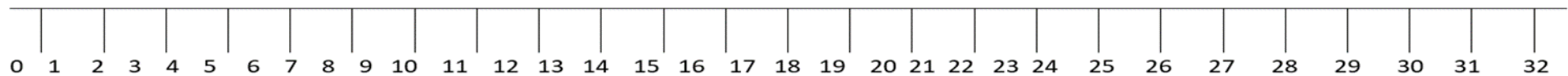


To solve the number problems we can either use a number line or we can use mental maths by counting forwards and backwards.

Today we are going to learn how to solve subtraction word problems.

Remember when we are subtracting the numbers will always get smaller because you are subtracting a smaller number away from a bigger number.

On a number line we must jump backwards.

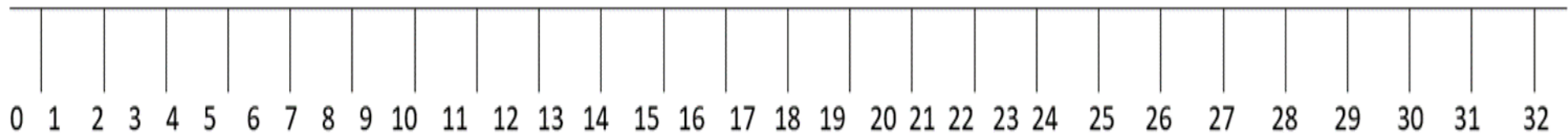




Remember in a word problem you must **ALWAYS** look at the 2 numbers. Then you can write your number sentence. Just like the example.

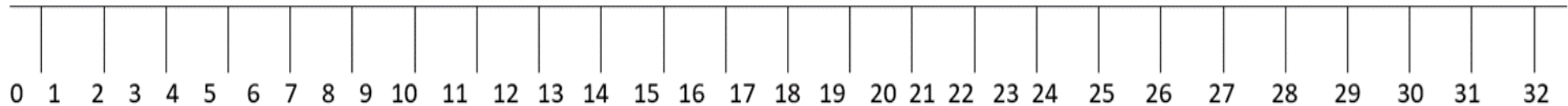
There were 7 stars in space. An alien spaceship zapped 3 away!
How many stars were left?

$$7 - 3 = 4$$



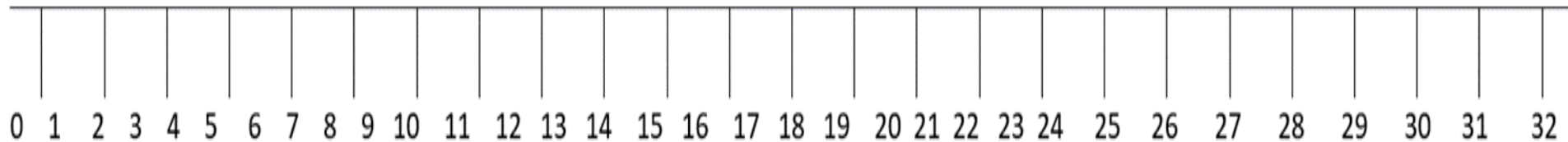
Liz had **11** slices of
pizza. She ate **5** slices.
How **many** does she
have **left** now?

$$11 - 5 = 6$$



Ashley had 16 colouring pencils. Joe takes 11 to use. How many does Ashley have left?

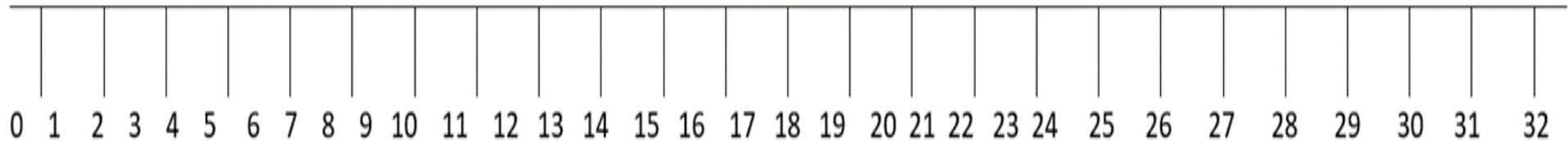
$$16 - 11 = 5$$



Now you can have a
practice!

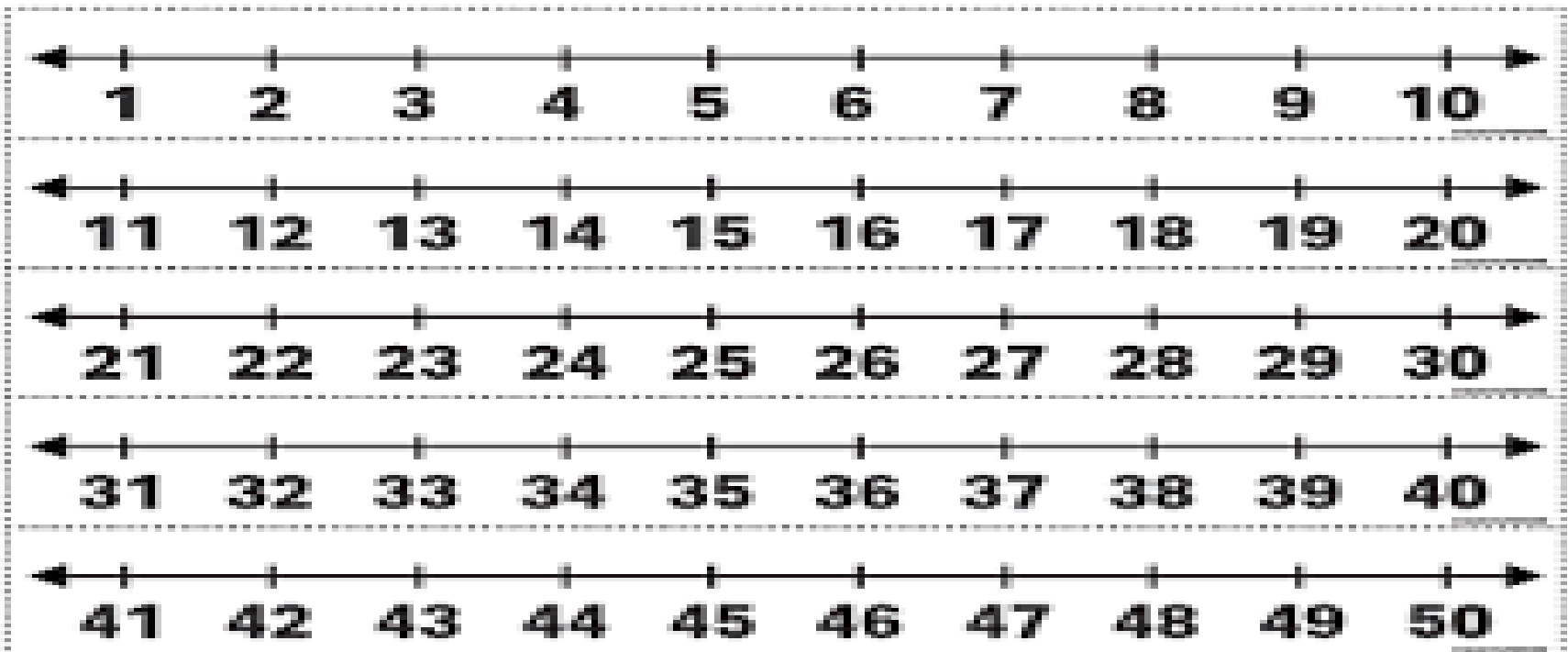
Matt had 31 balloons. His
brother popped 16 of
them. How many does he
have left?

$$31 - 16 =$$



There are 40 children at a party. 14 went home early. How many children are left at the party?

$$40 - 14 =$$

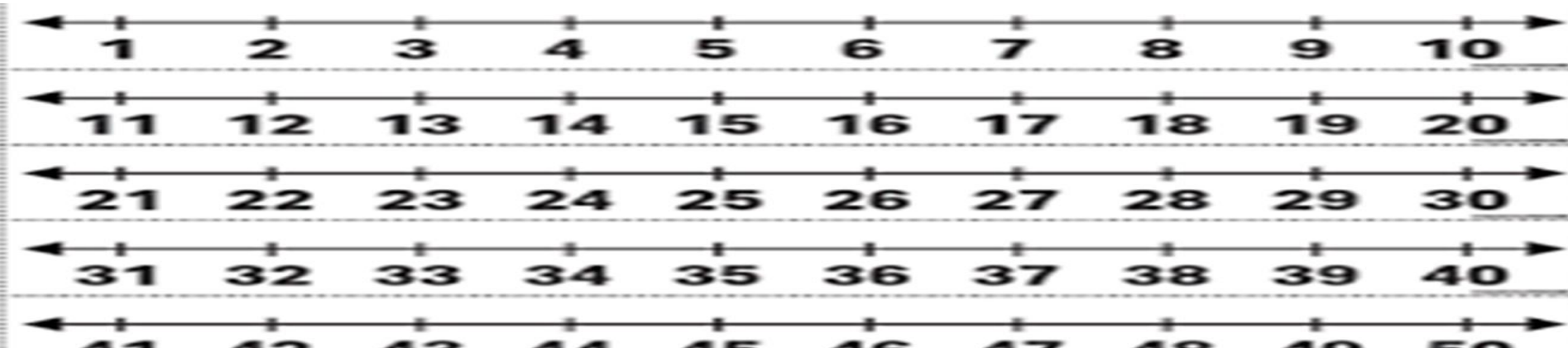


Your Challenge!

Solve the Word Problems!



1. Mick has 22 sweets. He gives 8 sweets away to his friends. How many does he have left?
2. There are 16 children at a party. Only 11 children are left in a game. How many children are no longer in the game?
3. A teacher has 28 books to mark. He has marked 12. How many does he have left to mark?
4. Miss Arthur has 37 pairs of socks. She throws 10 pairs away. How many are left?
5. A florist has 50 roses. She sells 40 in one day. How many are left?
6. A teacher has 45 pencils. She gives out 30 to the new children in her class. How many are left?
7. Janine has 48 crisps. She ate 30 packet of crisps. How many packet of crisps are left?



PLENARY

When we solve word problems we must always use the **RUCSAC** method to:

- **READ** a question
- **UNDERSTAND** a question
- **CHOOSE** a number operation such as add, subtract, divide and multiply
- **SOLVE** the problem
- **ANSWER** the question
- **CHECK** the answer

There are different ways of saying subtract such as:

- Take away
- Minus
- Difference
- Fewer
- Count back



When we subtract the numbers will always go smaller!