

Maths Task – 14.5.20

MNP Workbook: 3A

Chapter 2: Addition and Subtraction

Lesson 20&21: Using Models (pages 65-68)

Skill: I can solve word problems using addition and subtraction.

Today we are going to apply the column addition and subtraction method to solve word problems.

First of all, let's look at the bar model as a simple way of representing our answers.

has 15 pencils.

has 23 pencils.

How many pencils do they have altogether?

15 23

15 + 23 = 38

They have 38 pencils altogether.

There is not enough space to use [red and blue boxes]!

t	o
1	5
+	23
<hr/>	
3	8
<hr/>	

Here is a bar model to represent the problem.

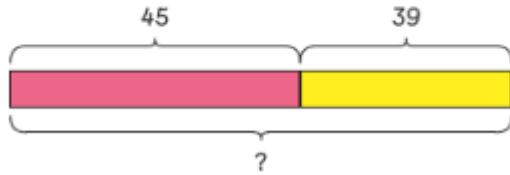
For this question, the first bar should be shorter than the first as it represents fewer pencils.

When we want to find the total, we can add the two parts, which are 15 and 23.

Word Problems

When we are solving word problems it is important that we read the question carefully, think about the language used to help us understand it and work out what operation we need to use before solving. We can use the **RUCSAC** method. See below.

- 1 Sam had 45 stamps.
His father gave him 39 stamps.
How many stamps did Sam have?

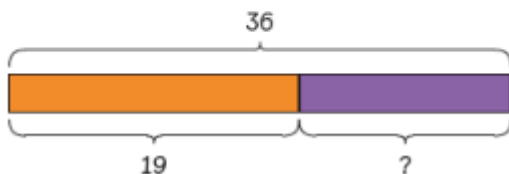


1. Read the question
2. Understand
3. Choose which operation
4. Solve
5. Answer
6. Check

	T	O
	4	5
+	3	9
<hr/>		
	8	4

Use column method +
 $45 + 39 = 84$

There are 36 children in the school band.
19 of them are boys.
How many girls are there?



For this problem, we know the total children in the school band.
We need to work out how many are girls.

$$36 - 19 = 17$$

Now let's practise solving word problems.

BBC
Bitesize
Daily

1. **First** click [HERE](#) for some useful tips on solving word problems with this BBC lesson.
Read about the RUCSAC method and have a go

at the warm up activity.

<https://www.bbc.co.uk/bitesize/articles/zfxx6v4>



2. Next complete Maths No Problem worksheet 20&21 (pages 65-68). If you have your MNP book and you have already completed these sheets, you can have another go in your yellow homework book and check over your answers.

Support

If you are finding these worksheets tricky, practise some of the activities on the BBC Bitesize page first:

<https://www.bbc.co.uk/bitesize/articles/zfxx6v4>

If you need to ask a question, post it on the blog and I can help.

Extension Work

Click here to solve more word problems.

Need to practise your mental maths to help you with your addition and subtraction?

Click here for mental maths (choose level 3) **Level 4+ for a super challenge!**

<https://www.topmarks.co.uk/maths-games/daily10>