

Monday 10th May 2020

Rapid Recap

Here is my bar model. It shows the whole number at the top and how I have split it below. Write down all the addition and subtraction sentences you know from looking at the bar model.



Today we are going to continue with addition using the column method. If you are unsure of this method you can look back at the explanations in last weeks home learning sheets.

Fluency

Solve this problem using the column method.

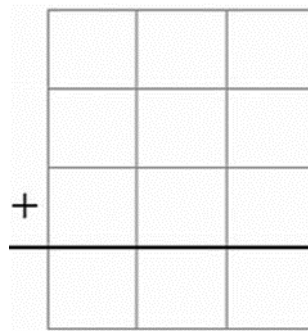
Jack makes this number.



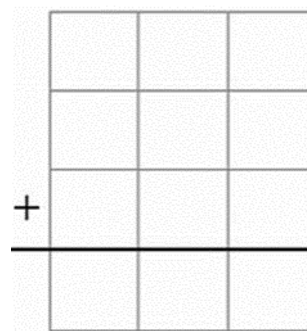
Meg makes this number.



What is the total of their numbers?



**Mo has 41 sweets. Whitney has 55 sweets.
How many sweets do they have altogether?**



2 step problem

Annie has 12 marbles.

Ron has 13 marbles more than Annie.

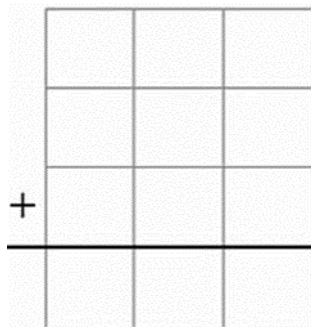
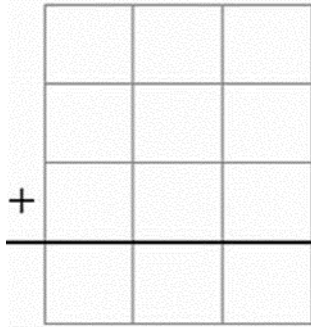
How many marbles do they have altogether?

Answer _____

What digits could go in the boxes?

$$\square 2 + \square 5 = 87$$

Use the column method to help you check your answers. Clue- There are 7 possible answers.



Challenge

- a) Find all the possible pairs of numbers that can complete the addition.

$$\begin{array}{r}
 \begin{array}{|c|c|} \hline 1 & \square \\ \hline \end{array} \\
 + \begin{array}{|c|c|} \hline 2 & \square \\ \hline \end{array} \\
 \hline
 \begin{array}{|c|c|} \hline 4 & 2 \\ \hline \end{array} \\
 \text{1}
 \end{array}$$

How do you know you have found all the pairs?

What is the same about all the pairs of numbers?

Extension

How many different ways can you solve $19 + 11$?
 Explain your method to your adult. Use objects or pictures to help explain your method.

Tuesday 11th May 2020

Rapid Recap

Which word completes the sentence correctly?





more less

3 tens is _____ than 2 tens and 12 ones.

Write a number to make the statement correct.

$$32 < \square < 40$$

We can use the vertical format for 2-digit numbers as well. We write the place value with **tens** in one column and **ones** in the other.

	tens	ones
	1 	4 
-	0	3
	1 	1 



Step 1: Subtract the ones.

$$4 \text{ ones} - 3 \text{ ones} = 1 \text{ one}$$


Step 2: Subtract the tens

$$1 \text{ tens} - 0 \text{ tens} = 1 \text{ ten}$$

Step 3: Put the tens and ones together.

$$1 \text{ tens} + 1 \text{ one is } 11$$

We write the answer at the bottom of the columns.

$$14 - 3 = 11$$


Fluency

a

T	O
1	9
-	6
□	□

b

T	O
2	5
-	1
□	□

c

T	O
2	6
-	3
□	□

1 d

T	O
4	6
-	1 5
□	□

e

T	O
3	9
-	2 2
□	□

f

T	O
4	8
-	3 3
□	□

g

T	O
7	2
-	2 2
□	□

h

T	O
5	4
-	5 1
□	□

i

T	O
8	4
-	5 4
□	□

Challenge

Solve these word problems. Don't forget to show the calculation and answer the question in words.

Frank had 48 seats in his cafe. 22 people came and sat down. How many empty seats does he have left?

Kim had 57 marbles. She lost 13. How many does she have left?

Kami bought a packet of 63 sweets to school. She gives one to every child in the class. There are 23 children in her class. How many does she have left over?

There are 81 children in the choir. But only 50 can go to the concert. How many children couldn't make it?

Extension

Two-Step Addition and Subtraction Word Problems



Dorothy is saving her money for a new bike costing £286. If she has already saved £39 and is then given £59 for her birthday, how much more does she need to save?



Two-Step Addition and Subtraction Word Problems



The cinema has 700 seats – 113 adults and 276 children come to see the film. How many empty seats are there?

Wednesday 12th May 2020

Rapid Recap

True or False?

These four calculations have the same answer.

$$1 + 4 + 2$$

$$4 + 2 + 1$$

$$2 + 4 + 1$$

$$4 + 1 + 2$$

These four calculations have the same answer.

$$7 - 3 - 2$$

$$2 - 3 - 7$$

$$3 - 2 - 7$$

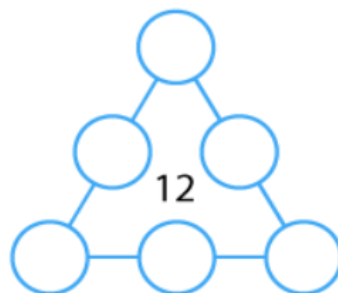
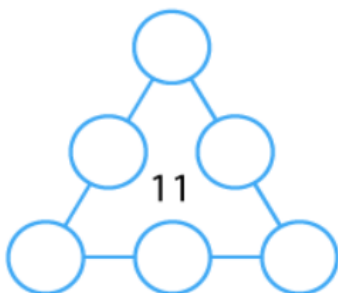
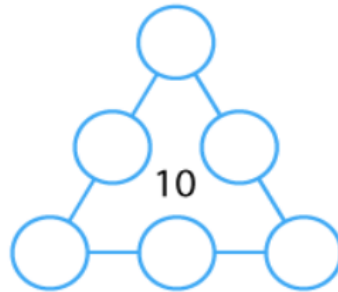
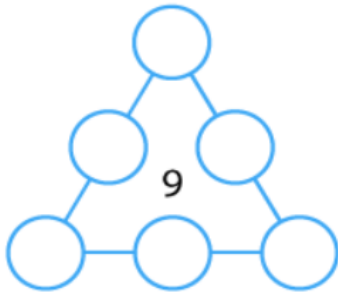
$$7 - 2 - 3$$

Work it out Wednesday. Each Wednesday I am going to set you a problem to solve. Send your solutions and workings out to me, using our Year 2 email.

Note for parents: This problem is an interesting context in which children can practise addition and subtraction. It can be solved in many different ways and the sample approaches offer a basis for discussion of possible different methods. You might spend a couple of days on this activity.

Arrange the numbers 1 to 6 in each set of circles below.

The sum of each side of the triangle should equal the number in the centre of the triangular shape.



Key questions

What will you try first?

Why did you put that number there?

Tell me about how you found that solution.

Is there only one solution?

Tell me about this approach. What do you think s/he was doing?

How do you think this will help to solve the problem?

What do you think s/he would have done next?

Possible extension

Children could investigate whether other totals are possible. Why or why not?

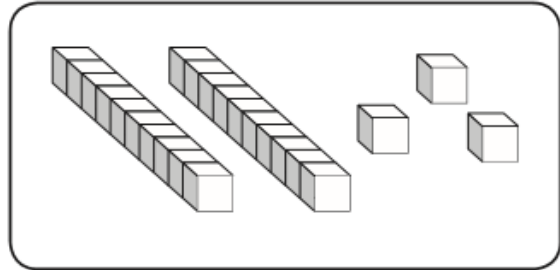
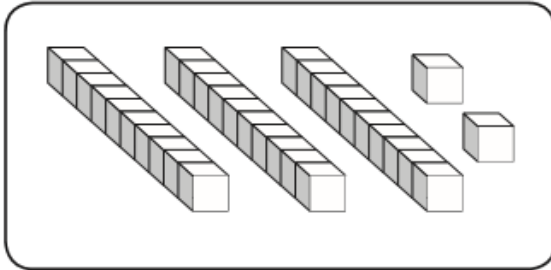
Possible support

Learners might request a range of different resources to help them tackle this challenge, for example numbered counters, mini-whiteboards, number lines. Try not to pre-empt their requests by placing equipment out on tables at the start, but do make sure these kind of resources are easily accessible to the children, should they want to use them and do your best to accommodate any requests which you hadn't anticipated!

Thursday 13th May 2020

Rapid Recap

Sam makes these numbers.



What numbers has he made?

and

Which number is greater?

Complete the sentence to explain why.

_____ is greater because

Fluency

a.				b.				c.			
	3	3			2	5			1	6	
-	1	1		-	1	3		-	1	0	
<hr/>			<hr/>			<hr/>			<hr/>		
<hr/>			<hr/>			<hr/>			<hr/>		

d.				e.				
	2	7			2	9		
-	1	6		-	1	2		
<hr/>			<hr/>			<hr/>		
<hr/>			<hr/>			<hr/>		

How did you do? If you got these all right, move onto the challenge. If you didn't get them all right, practice a few more with an adult helping you.

f.				g.				h.			
	2	6			3	2			2	9	
-	1	3		-	2	0		-	1	4	
<hr/>			<hr/>			<hr/>			<hr/>		
<hr/>			<hr/>			<hr/>			<hr/>		

Challenge

Find the missing numbers.

$$\begin{array}{r} \boxed{6} \boxed{} \\ - \boxed{2} \boxed{} \\ \hline \boxed{4} \boxed{2} \end{array}$$

Is this the only possible solution? Show me 2 **others**.

$$\begin{array}{r} \boxed{6} \boxed{} \\ - \boxed{2} \boxed{} \\ \hline \boxed{4} \boxed{2} \end{array}$$

$$\begin{array}{r} \boxed{6} \boxed{} \\ - \boxed{2} \boxed{} \\ \hline \boxed{4} \boxed{2} \end{array}$$

Explain your answer?

Make your own base 10 to help you find your answer by using Lego.

Extension

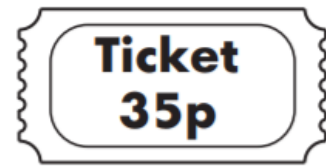
32

Ben has **90p**.

He buys **2** tickets.

Each ticket costs **35p**.

How much money does Ben have **left**?



Show
your
working

p

Friday 14th May 2020

The results of last weeks battle are in. Oh no! It looks like no one joined it.

Do not forget that knowing your multiplication facts will help you in several other areas of maths. This is why we practice weekly. If you have lost your log in details you can email the office who have them all.

Please visit your Times Table Rockstar Account. Do not forget its more important to be accurate than fast.

This week let's get practicing before we set another battle against the Year 3s! Come on, we can win!