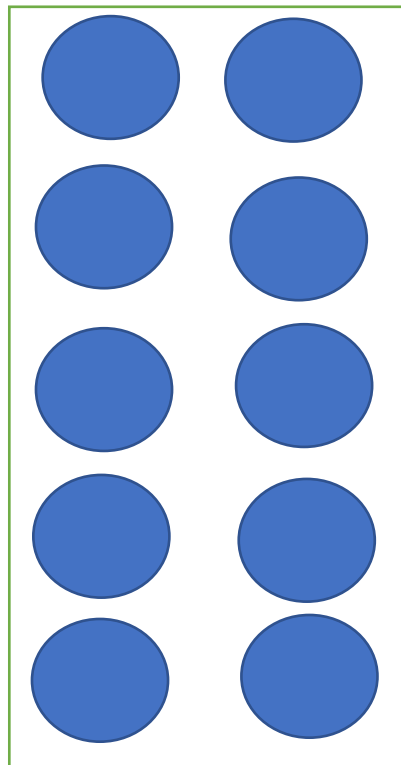
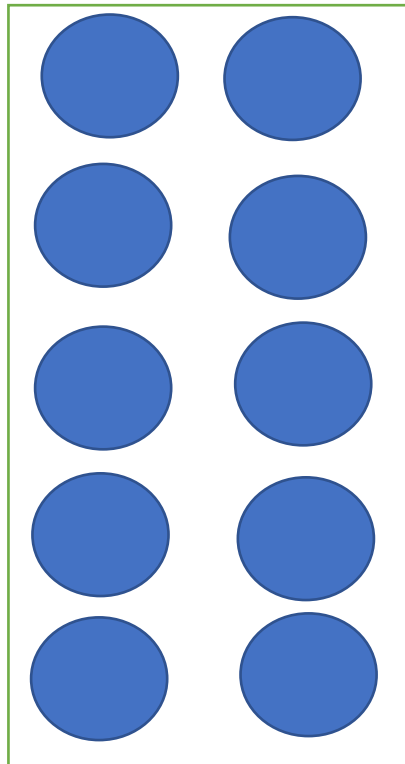


Week 10 maths

Week 10	Monday	Tuesday	Wednesday	Thursday	Friday
Addition and subtraction	<p>Explain to your child that this week you are going to be looking at addition and subtraction. Ask your child what the symbol for addition is (+) and what is the symbol for subtraction (-).</p> <p>Tell your child that today you are going to play a maths game. You will need a dice (there is an online resource you can use if you do not have a dice at home: https://www.random.org/dice/)</p> <p>Roll the dice three times and ask your child to read the number each time and record them as an addition number sentence. For example: you threw a dice and got the numbers 5, 3 and 6. You will ask your child to record them as: $5 + 3 + 6 =$ Then ask your child to work the answer out.</p> <p>To create a subtraction number sentence, use the</p>	<p>Tell your child that you are going to create 2 train coaches. On a piece of paper draw 2 rectangles and, in each rectangle, draw 10 circles. Find an example below.</p> <p>Now find some small objects ("people"). Choose amount of people to go on a coach, ask your child to place the "people" on the coach. Then ask your child to add some more "people". Practice addition to 20.</p> <p>Introduce the mean inspector (the children should be familiar with the activity as this was done in school), who limits the amount of people on the coach or asks some people to get off the coach. Ask your child to calculate how many people are left on the coach.</p> <p>Practice until the session is over.</p>	<p>Ask your child what other words they know for addition (add, plus, more). Show them sheet A. Explain that they can use any strategy they like to calculate the answer. Children can use objects, partition, or use number line to help them. There is no right or wrong way to work the answer out.</p> <p>If they finish at a rapid speed, ask them to show you another strategy to solve the number sentences.</p> <p>Additionally, they can treat themselves with a simple sudoku challenge! (Optional)</p>	<p>Ask your child what other words they know for subtraction (take away, minus, difference). Show them sheet B. The same as with addition there is no right or wrong way of working the answers out. Children can use any strategy they feel comfortable with. Ask your child to work on one number sentence at a time.</p> <p>Again, if you see your child working through the number sentences confidently and with a good speed, ask them to show you another strategy to solve these number sentences.</p> <p>Additionally, your child can become a number detective with a simple challenge! (Optional)</p>	<p>Show your child sheet C and tell your child that you are going to work on word problems today. Read through the word problem with your child. Highlight the important information.</p> <p>The first word problem has been done for you.</p> <p>There is an optional challenge again.</p>

total from addition sum and roll the dice once, then record the subtraction sentence. For example:
 $5 + 3 + 6 = 14$, so record 14, roll the dice once more and record the subtraction number sentence:
 $14 - 4 =$. Ask your child to calculate the answer. Carry on until the session is over.



Sheet A – addition

3	+	4	+	6	=	
5	+	0	+	7	=	
4	+	4	+	4	=	
5	+	1	+	9	=	
8	+	6	+	2	=	
9	+	8	+	1	=	
9	+	6	+	5	=	
6	+	7	+	8	=	
2	+	0	+	9	=	
0	+	3	+	8	=	
7	+	8	+	9	=	

Challenge

Try this simple sudoku (only numbers 1,2,3 and 4 are used):

4			2
	2	1	
1		2	
	3		1

1			2
	2		
		4	
	3	2	1

Sheet B – subtraction

10	-	5	-	3	=	
20	-	6	-	2	=	
17	-	8	-	3	=	
6	-	0	-	4	=	
22	-	2	-	10	=	
12	-	8	-	2	=	
11	-	5	-	3	=	
18	-	3	-	8	=	
13	-	0	-	5	=	
7	-	7	-	0	=	
20	-	11	-	9	=	

Challenge

Become a number detective!

How many different answers can you find for your mystery number below?

Remember, you can use subtraction only!

12

I have started for you: $15 - 3 = 12$. Now it is your turn!

Sheet C - Word problems

On Saturday, Sam had a birthday party.

He had 20 candles on his cake. 7 were green and 3 were yellow. How many candles were orange?

20 candles in total, so $20 - 7 - 3 = 10$

1. Sam blew up 20 balloons. 12 were blue and 5 were red. The rest were yellow. How many balloons were yellow?
2. He received 16 presents by post. 5 were in bags. The rest were in boxes. How many presents were in the boxes?
3. Sam's mum made 5 jam sandwiches, 4 cheese sandwiches and 6 ham sandwiches. How many sandwiches Sam's mum prepared in total?

Challenge

Unlucky Ducky is trying to make the number 13 with these cards. How many different ways could she do it, using number 6 as one of the cards each time?

