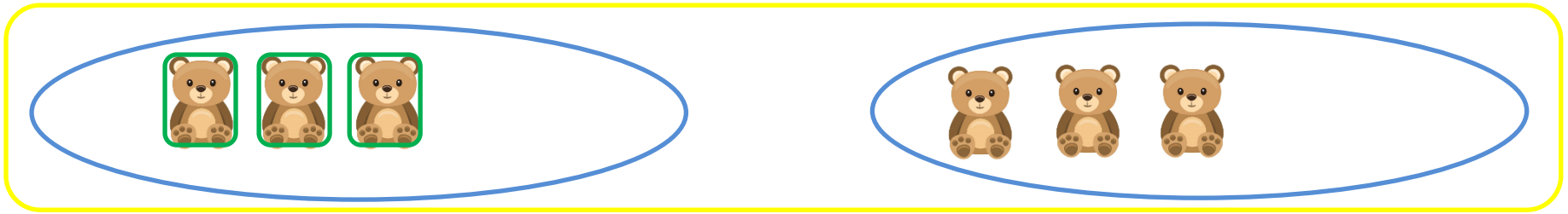
Year 2 maths Summer Week 1

5 days of problem solving	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
Factual fluency (to aid fluency)	**Counting in 10s from 0 to 120**	**Counting in 10s from 0 to 120**	**5 and 10s times tables quiz (see below)**	**https://mathsframe.co.uk/en/resources/resource/306/Maths-Fishing-Multiplication** **Maths fishing: Choose 2, 5 or 10 times tables**	**https://mathsframe.co.uk/en/resources/resource/504/Super-Maths-Bowling-Multiplication** **Super maths bowling: Choose 2, 5 or 10 times tables**
Problem/activity of the day	My friend had 6 toys to share between 2, him and his sister. How many will they each get? He wrote this equation to show his sharing: 6 ÷ 2 = __ Repeat again, **sharing** these amounts of objects between 2 people: 2, 4, 8, 10, 12, 14. Make a poster that tells another child how you shared your objects out. Your poster could include pictures and equations to show how you solved the problem.	My friend had this problem to solve: We have 10 cookies to share between 5 friends. How many will each friend get? She wrote this equation to show her sharing: Equation: 10 ÷ 5 = __ Repeat again **sharing** these amounts between 5 people: 5, 10, 15, 20, 25 Draw pictures including explanations to show what you did.	I had 20 Lego pieces to share between 10 friends. How many will each friend get? Equation: 20 ÷ 10 = __ Repeat again **sharing** these amounts between 10 people: 10, 20, 30, 40, 50, 60. Draw pictures including explanations to show what you did.	Solve the division word problems below. Write and solve the word problems using pictures and equations. Remember to show your working! Finished? Well done! Now can you write your own division word problems?	We have 14 flowers to put into groups of 2. How many groups can you make? Equation: 14 ÷ 2 = ___ Repeat again **grouping** these numbers of objects into groups of 2: 2, 4, 6, 8, 10, 12, 14 Finished? Now you could try making groups of 5s and 10s from 20 objects!
Resources you will need	Pencil and paper Toys or other objects	Paper and pencils Toys or other objects	Paper and pencils Toys or other objects	Paper and pencils	Toys or other objects
Tips, clues or methods to help	Tip: all groups must be **equal**	Tip: all groups must be **equal**	Tip: all groups must be **equal**	Tip: all groups must be **equal**	Tip: all groups must be **equal**
Want to check?	Check the answers to your equations using the division poster **(Resource sheet B)**	Check the answers to your equations using the division poster **(Resource sheet B)**	Check the answers to your equations using the division poster **(Resource sheet B)**	Check the answers to your equations using the division poster **(Resource sheet B)**	Check the answers to your equations using the division poster **(Resource sheet B)**
Theme	Division by sharing	Division by sharing	Division by sharing	Division by sharing	Division by grouping

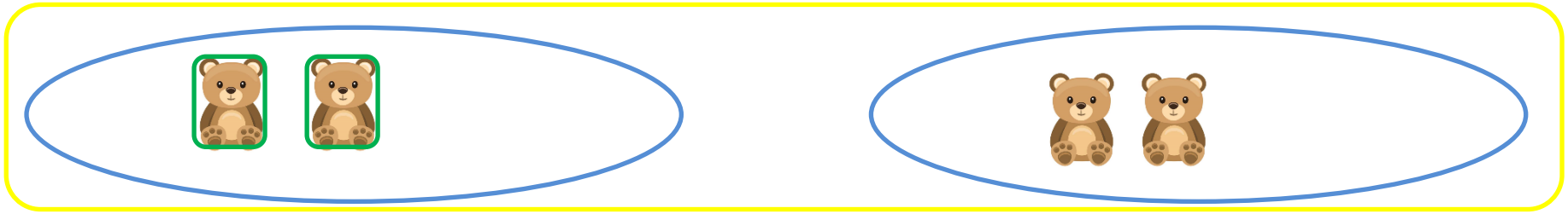
Day 1 support

My friend had 6 toys to share between 2, him and his sister. How many will they each get?



□ ÷ □ = □

My friend had 4 toys to share between 2, him and his sister. How many will they each get?



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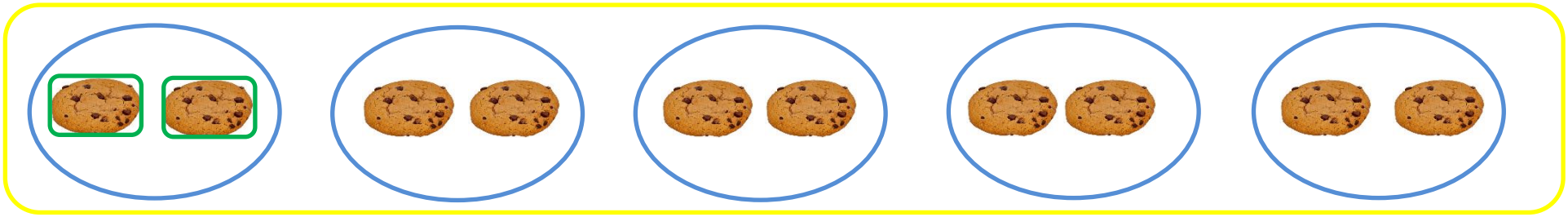
Now share 2 toys, 8 toys, 10 toys, 12 toys and 14 toys between my friend and his sister.

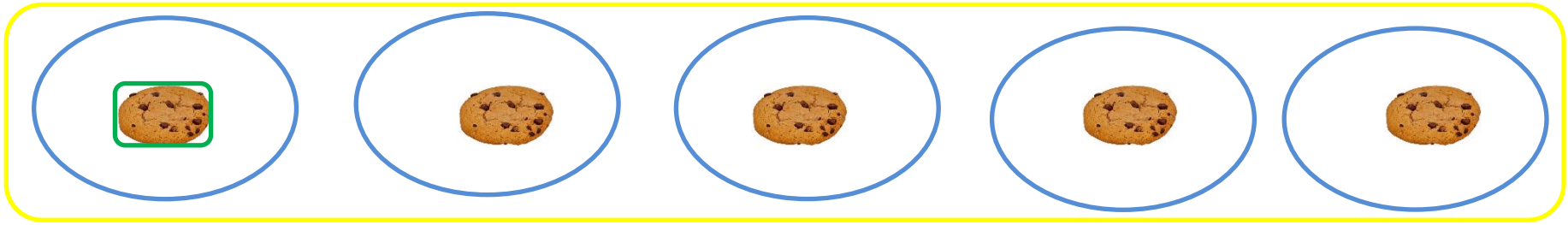
Draw pictures to help you.

Day 2 support

My friend had 10 cookies to share between 5 friends. How many will each friend get?



My friend had 5 cookies to share between 5 friends. How many will each friend get?



Now share 15 cookies, 20 cookies, 25 cookies between 5 friends.

Draw pictures to help you.

Day 3 – Factual fluency:
Mixed times tables quiz – 5 and 10 times tables (Resource Sheet A)

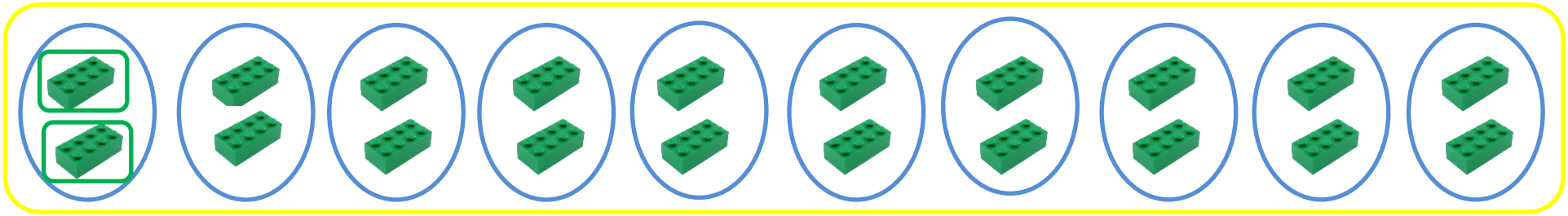
Copy the equations onto a piece of paper at home and try to solve as many equations as possible in 5 minutes! Get your parent to set you a timer!

5 x 2 = ____	10 x 3 = ____	4 x 5 = ____
2 x 10 = ____	5 x 5 = ____	8 x 10 = ____
3 x 5 = ____	9 x 10 = ____	7 x 5 = ____
4 x 10 = ____	9 x 5 = ____	1 x 10 = ____
0 x 5 = ____	10 x 5 = ____	10 x 0 = ____
5 x 1 = ____	6 x 5 = ____	5 x 8 = ____
12 x 10 = ____	5 x 11 = ____	2 x 5 = ____
12 x 5 = ____	3 x 10 = ____	11 x 10 = ____
5 x 4 = ____	10 x 8 = ____	10 x 12 = ____
5 x 0 = ____	5 x 7 = ____	7 x 10 = ____

Challenge: Can you explain to someone how 10 x 5 can help you solve 11 x 5?

Day 3 support

I had 20 Lego pieces to share between 10 friends. How many will each friend get?



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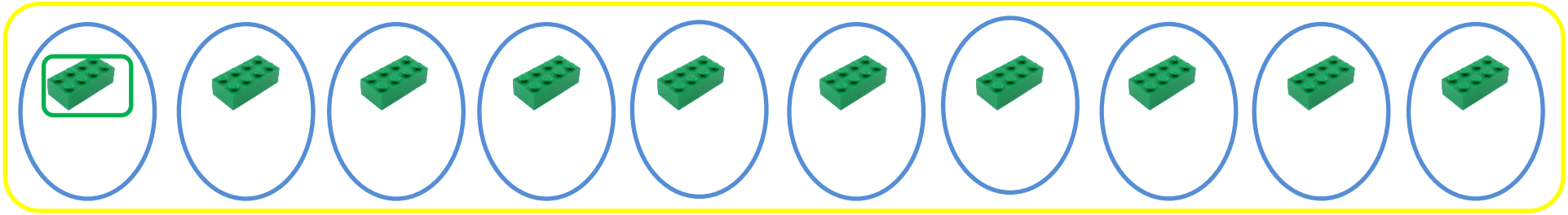
I had 10 Lego pieces to share between 10 friends. How many will each friend get?



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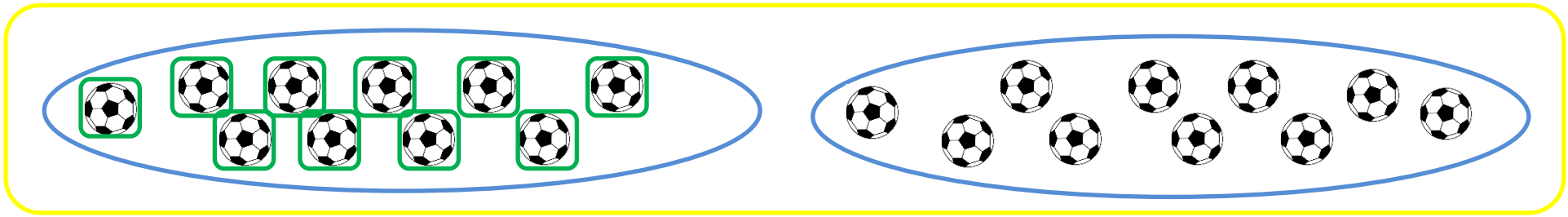
Now share 30 lego pieces, 40 lego pieces, 50 lego pieces, 60 lego pieces between 10 friends.

Day 4: division word problems support

1. Vinnie has 20 football stickers.
   He shares them between his 2 friends.
   How many stickers do they get each?



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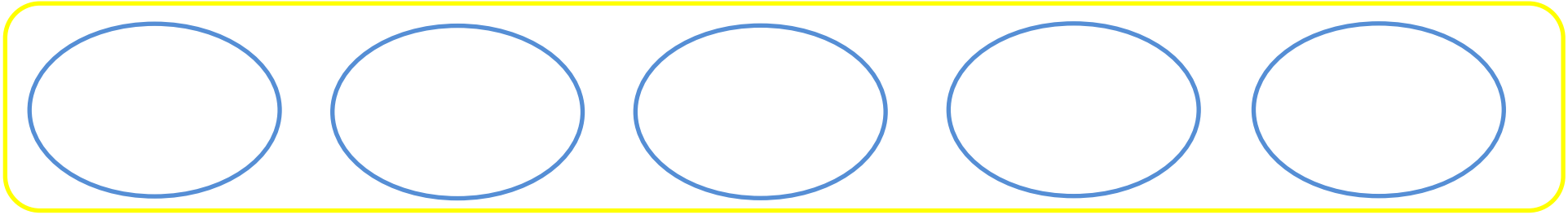
2. Charlotte has 25 sweets.
   She shares them between 5 children.
   How many sweets does each child get?

Draw the sweets to help you solve the problem



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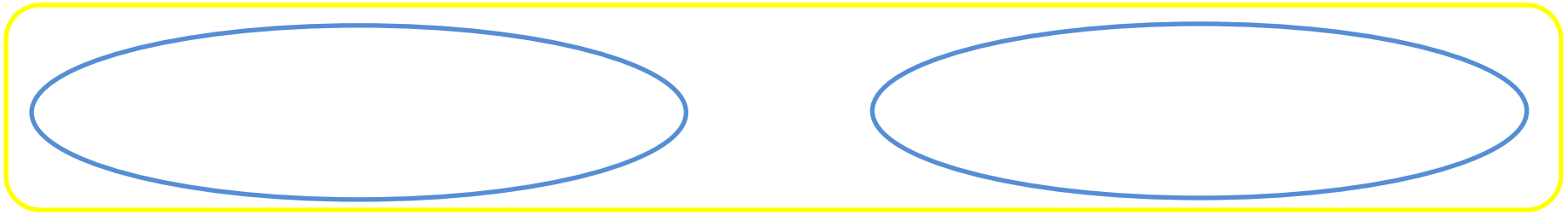
3. Layla has 14 dolls.
She shares them between 2 of her friends.
How many dolls do Layla's friends get each?



Now carry on.

4. 30 flowers are shared between 10 vases.
How many flowers go in each vase?

5. The milkman has 40 bottles of milk.
He has to deliver the milk to 10 houses.
How many bottle of milk will each house get?

Day 5 support

We have 14 flowers to put into groups of 2. How many groups can you make?

☐ ÷ ☐ = ☐

We have 4 flowers to put into groups of 2. How many groups can you make?

☐ ÷ ☐ = ☐

Now group 2 flowers, 6 flowers, 8 flowers, 10 flowers, 12 flowers into groups of 2:

Division for 2s, 5s and 10s – FOR PARENTS ONLY TO CHECK (Resource sheet B)

2 ÷ 2 = 1	5 ÷ 5 = 1	10 ÷ 10 = 1
4 ÷ 2 = 2	10 ÷ 5 = 2	20 ÷ 10 = 2
6 ÷ 2 = 3	15 ÷ 5 = 3	30 ÷ 10 = 3
8 ÷ 2 = 4	20 ÷ 5 = 4	40 ÷ 10 = 4
10 ÷ 2 = 5	25 ÷ 5 = 5	50 ÷ 10 = 5
12 ÷ 2 = 6	30 ÷ 5 = 6	60 ÷ 10 = 6
14 ÷ 2 = 7	35 ÷ 5 = 7	70 ÷ 10 = 7
16 ÷ 2 = 8	40 ÷ 5 = 8	80 ÷ 10 = 8
18 ÷ 2 = 9	45 ÷ 5 = 9	90 ÷ 10 = 9
20 ÷ 2 = 10	50 ÷ 5 = 10	100 ÷ 10 = 10
22 ÷ 2 = 11	55 ÷ 5 = 11	110 ÷ 10 = 11
24 ÷ 2 = 12	60 ÷ 5 = 12	120 ÷ 10 = 12