Summer term week 8

Maths:

Don't forget there are some fun videos on BBC Super Movers KS1 for English and Maths!

All these strategies can be found on Brookside TV.

https://brooksideleics.primarysite.media/playlist/year-2

This week we are going back to number and looking at multiplication.
In year 2, your child should be able to count in 2's, 5's and 10's and then working on their 3's!

When we teach multiplication, we teach the children the meaning of the X sign.
X = 'groups of' or 'lots of'
3x2 = '3 lots of 2' or '3 groups of 2' 4 x 10 = '4 groups of 10' or '4 lots of 10'
This helps them to understand the process and solving problems that include bigger numbers.

Activity 1: Give your children these to start with, without any help! This will help you to understand where they are with their multiplications and where they might need help (it doesn't matter if they get some wrong!)

1) 0x2 =	14) 0x5=	27) 0x10=
2) 1x2 =	15) 1x5=	28) 1x10 =
3) 2x2=	16) 2x5=	29) 2x10=
4) 3x2=	17) 3x5=	30) 3x10=
5) 4x2=	18) 4x5=	31) 4x10=
6) 5x2=	19) 5x5 =	32) 5x10=
7) 6x2=	20) 6x5=	33) 6x10=
8) 7x2=	21) 7x5=	34) 7x10=
9) 8x2=	22) 8x5=	35) 8x10=
10)9x2=	23) 9x5=	36) 9x10=
11)10x2=	24) 10x5=	37) 10x10=
12)11x2=	25) 11x5=	38) 11x10=
13)12x2=	26) 12x5=	39) 12x10=

Extra for experts challenge!

If they are really confident.. let them have a try at the multiplications mixed up! They could even write out their 3 times tables!

1) 12x5=	5) 10x9=	Can you fill in the missing number?
2) 10x0=	6) 5x11=	1) ____ x 10 = 60
3) 2x7=	7) 2x9=	2) 2 x____= 8
4) 4x5=	8) 5x0=	3) ____ x 5 = 45

Multiplication boy video

https://www.youtube.com/watch?v=F-kNxuo9iHA

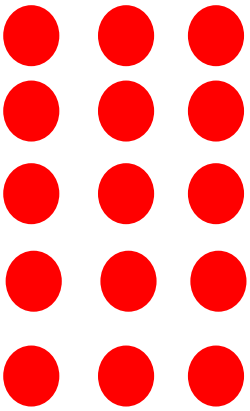
This is a nice maths video explaining multiplying by 2,5,10.

Activity 2: Multiplying using arrays

Sometimes we find it tricky to work out a multiplication number sentence or question… we can use arrays to help us do this.

https://www.youtube.com/watch?v=XOyOVDMjUdo
Watch the video, it shows how we explain what an array is to children.

For example, if we were going to work out:
3 x 5 = (we know it is 3 equal groups of 5)

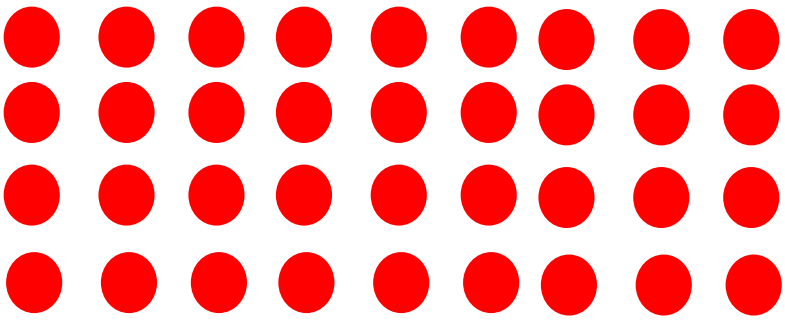


We know we can count in 5's to make it quicker, or we could count each dot.

Here we have 3 groups with 5 dots in each group. If the number asked us for 6 x 5, we would have 6 equal groups of 5 dots in each group.

We can use this for any multiplication (it does take a long time if we have big numbers, but in year 2 we don't need to use those!)

9 x 4 =

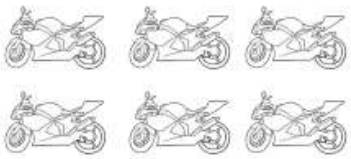


Now have a go drawing arrays and solving the answers for these numbers:

1) 5x7 =	5) 4x5=
2) 6x4=	6) 8x9=
3) 3x8=	7) 2x10=
4) 9x3=	8) 4x4=

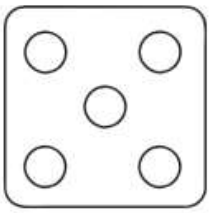
Activity 3: Word problems - read it carefully, write the number sentence you need to work out, count in your head or use arrays to help you solve the answer.

1. How many wheels would 6 motorbikes have?



2. If 2 taxis arrive at the party at the same time, each carrying 5 passengers, how many people arrive at once?

3. While playing a dice game, Robert managed to throw nine 5s in a row. How many did he score altogether?



4. All four judges gave the dancer a score of 10. How many did she score altogether?

Challenge:

5. 30 people came to the show and they paid £5 each. How much were the ticket sales altogether?

Answers:

Activity 1:

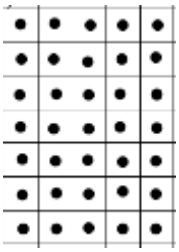
1) 0x2 = 0	14) 0x5= 0	27) 0x10= 0
2) 1x2 = 2	15) 1x5= 5	28) 1x10 = 10
3) 2x2= 4	16) 2x5= 10	29) 2x10= 20
4) 3x2= 6	17) 3x5= 15	30) 3x10= 30
5) 4x2= 8	18) 4x5= 20	31) 4x10= 40
6) 5x2= 10	19) 5x5 = 25	32) 5x10= 50
7) 6x2= 12	20) 6x5= 30	33) 6x10= 60
8) 7x2= 14	21) 7x5= 35	34) 7x10= 70
9) 8x2= 16	22) 8x5= 40	35) 8x10= 80
10)9x2= 18	23) 9x5= 45	36) 9x10= 90
11)10x2= 20	24) 10x5= 50	37) 10x10= 100
12)11x2= 22	25) 11x5= 55	38) 11x10= 110
13)12x2= 24	26) 12x5= 60	39) 12x10= 120

Extra for experts challenge:

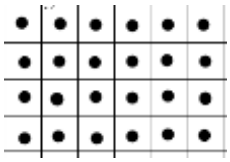
1) 12x5= 60	5) 10x9= 90	Can you fill in the missing number?
2) 10x0=0	6) 5x11= 55	1) 6 x 10 = 60
3) 2x7=14	7) 2x9= 18	2) 2 x 4 = 8
4) 4x5= 20	8) 5x0= 0	3) 9 x 5 = 45

Activity 2: Multiplying with arrays

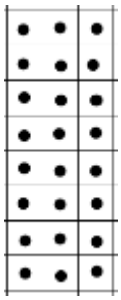
1) 5x7= 35



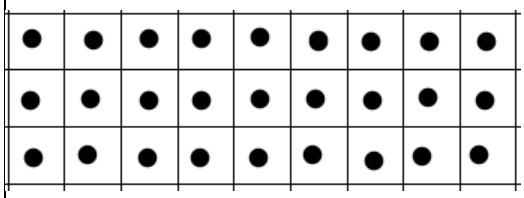
2) 6x4= 24



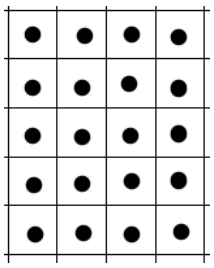
3) 3x8= 24



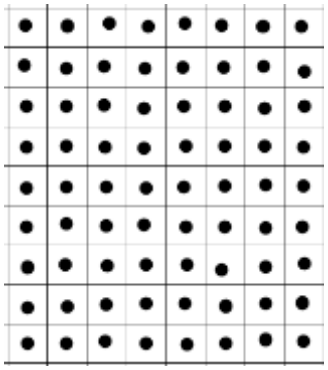
4) 9x3= 27



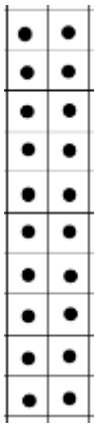
5) 4x5= 20



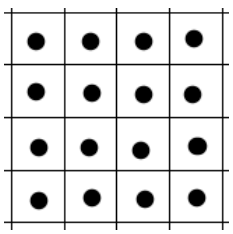
6) 8x9= 72



7) 2x10= 20



8) 4x4= 16



Activity 3: Word problems

1. 6x2 = 12 wheels
2. 2x5= 10 people
3. 9x5= 45
4. 4x10= 40

Challenge:

5. 30x5= 150