MATHS WORKSHOP

October 2018

Aims of the session are

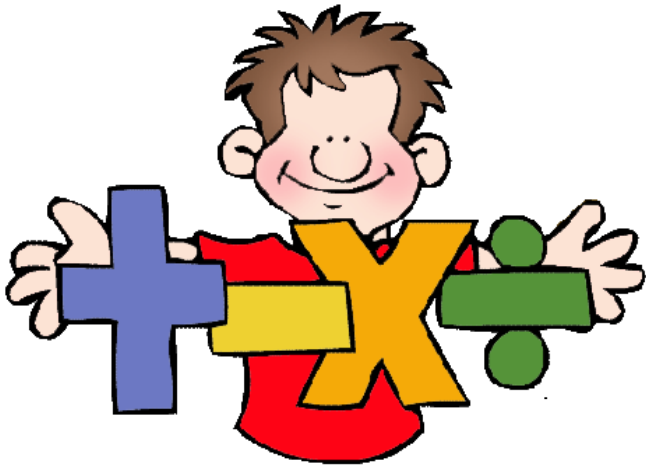
- to have a clear understanding of the age related expectation (ARE) for your child
- to understand the structure of the maths session.
- to provide a guidance of how you can support your children at home.

Core of the Primary Maths Curriculum

Fluency	Reasoning	Problem solving
Ability to recall and apply rapidly and accurately. Apply knowledge to increasingly complex problems.	Reasoning mathematically through enquiry and seeing relationships between concepts. Develop argument, justify and prove using mathematical language.	Ability to apply skills to routine and non-routine problems. Ability to break down problems into steps in seeking solution.

Agenda

- Arithmetic
- Calculation Strategies
- Questions



Arithmetic

12 + 3 – 4 =

Double 24

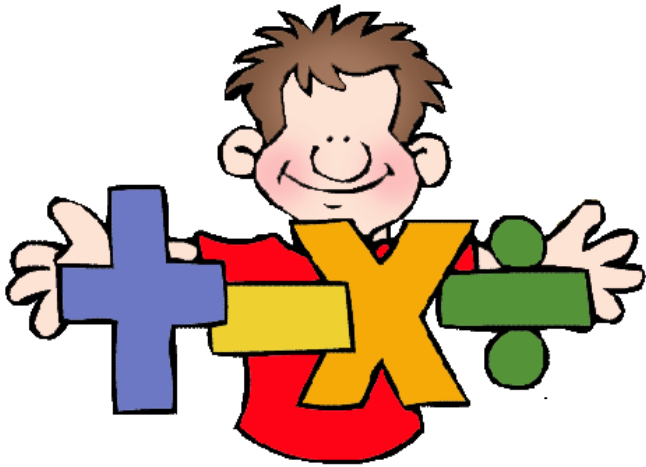
Double 65

Halve 24

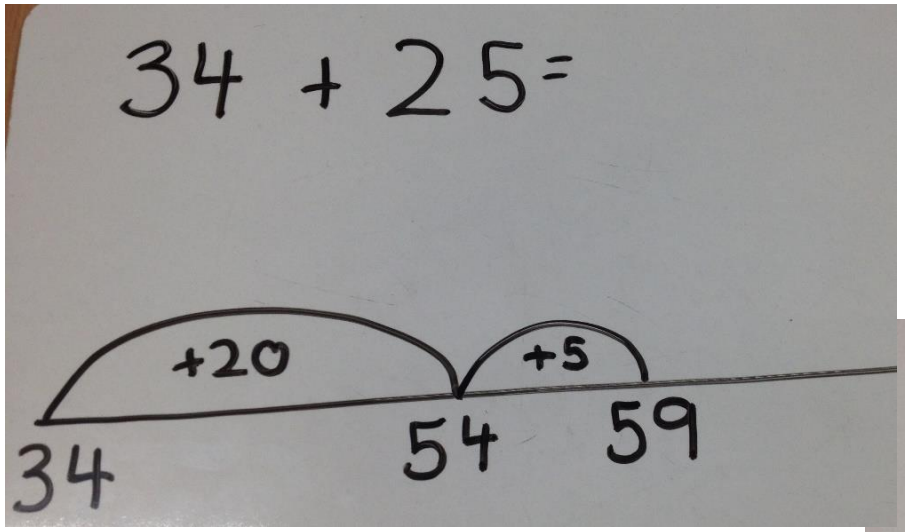
Halve 52

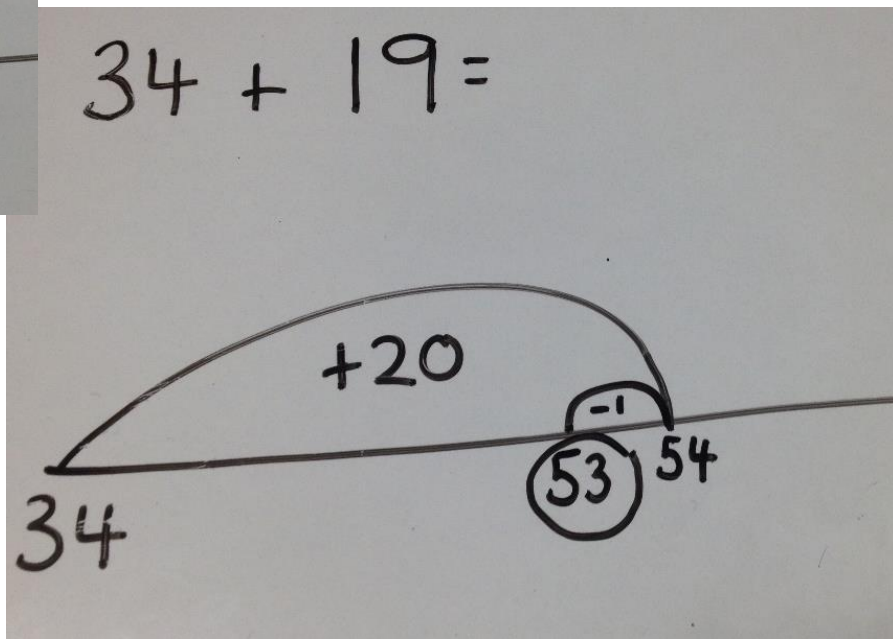
2300 + 1000

4 + 22 + 2=



Calculation Strategies
Addition – Numberline





Practise

30 + 27=

45 + 19 =

- Use a number line.

Calculation Strategies
Addition – Column Method

$$
\begin{array}{r}
67 \\
+\ 24 \\
\hline
11 \quad (7 + 4) \\
80 \quad (60 + 20) \\
\hline
91 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
267 \\
+\ 85 \\
\hline
12 \quad (7 + 5) \\
140 \quad (60 + 80) \\
200 \\
\hline
352 \\
\hline
\end{array}
$$

Calculation Strategies
Addition – Column Method

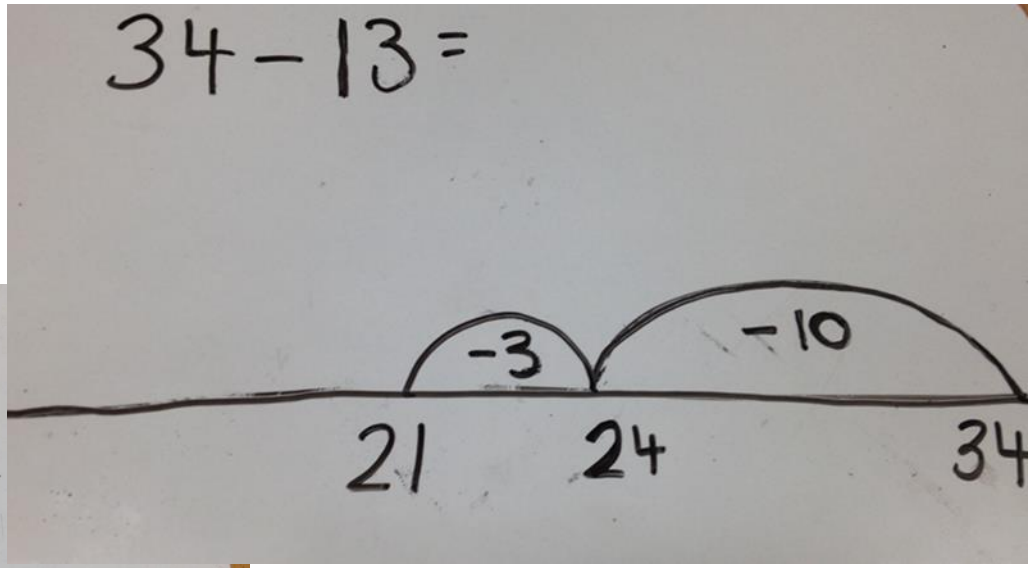
Now let's try one together. Remember that your child is the expert!

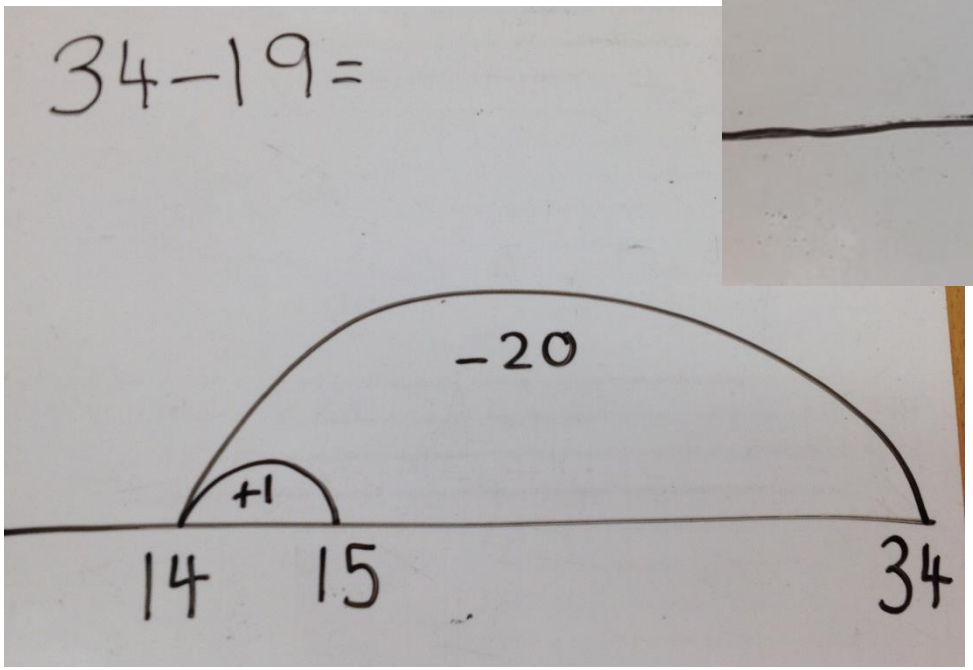
	6	8	
+	2	7	

Calculation Strategies
Addition – Column Method

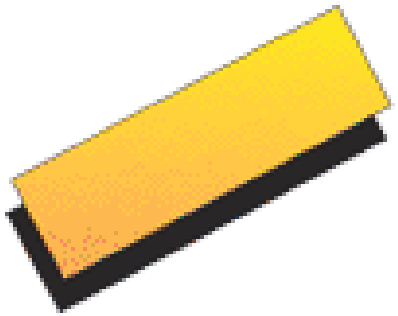
	6	8	
+	2	7	
	1	5	(8 + 7)
	8	0	(60 + 20)
	9	**5**	

Calculation Strategies
Subtraction - Numberline



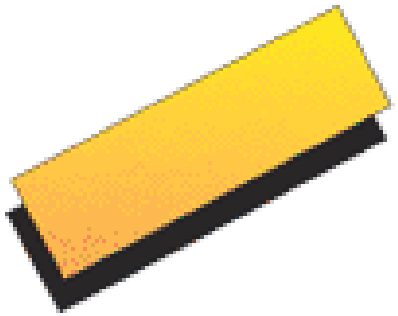


Calculation Strategies
Subtraction - Numberline



98 – 76 =

Calculation Strategies
Subtraction



Partitioning, subtracting and recombining.

89	=	80		9		
− 57	=	50		7		
		30	+	2	=	32

766 – 54 =

Calculation Strategies
Multiplication

The children *need* to know their 2, 3 , 4 , 5 , 8 and 10 times tables!

Games, chanting, songs, quick fire recall … practise!

Calculation Strategies
Multiplication

Grid method **24 x 8 =**

x	20	4	
8			

Calculation Strategies
Multiplication

Grid method **24 x 8 =**

x	20	4	
8	160	32	192

Calculation Strategies
Multiplication

Grid method **24 x 18 =**

×	20	4	
10			
8			

Calculation Strategies
Multiplication

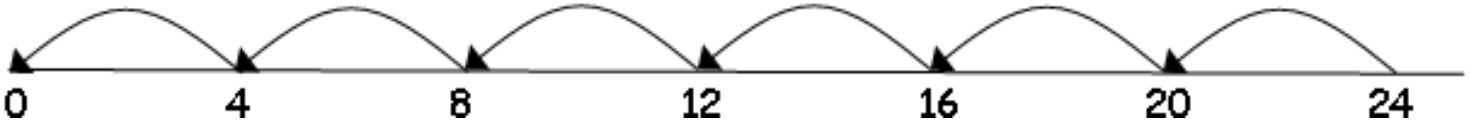
Grid method **24 x 18 =**

×	20	4	=
10	200	40	240
8	160	32	192
			432

Calculation Strategies
Division

- **Repeated subtraction using a number line:**

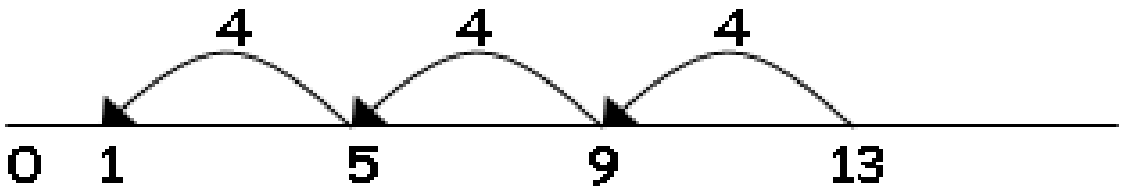
24 ÷ 4 = 6



- **Children will also move onto calculations involving remainders:**

13 ÷ 4 = 3 r 1

72 ÷ 8 =



Useful websites to support your child at home.

- https://www.havefunteaching.com
- www.mathsframe.co.uk
- www.whiz.com
- www.ictgames.com
- www.bbc.co.uk/schools
- www.crickweb.co.uk
- www.ictgames.com/resources.html
- www.nrich.maths.org
- www.lancsngfl.ac.uk
- www.topmarks.co.uk
- www.mathletics.co.uk
- www.themathsfactor.com
- www.mathsformumsanddads.co.uk
- www.mathsisfun.com
- **https://ttrockstars.com/login/21697**

Questions!

We Value your opinion

- Please complete an evaluation sheet.

Thank you