

## Maths Home learning

This week we will be adding and subtracting practising skills that we have learnt. For the methods for how to teach these, please see pages 7 and 8 of this document.


Choose the calculations you think are suited to your child. We recommend at least 6 calculations and 2 challenge questions. Take the challenge from the next box up. *E.g. if you have chosen for your child to work on the 2 star calculations then get their challenge from the 3 star calculations*

### Monday

Starter: Education city/ Mirage Madness (Search for this game in the search box)

★ **Activity**

**Mirage Madness**  
 Number pairs that total 100



**Mathematics** › **KS1** › **Year 2**

Sums and differences of pairs of multiples of 10 and 5 that total 100.

25844
addition
subtraction
calculating
partitioning
number bonds
add

Main: Adding on a blank number line.

### Additions Monday





★	★ ★	★ ★ ★	★ ★ ★ ★
$9 + 7 =$	$63 + 27 =$	$122 + 87 =$	$347 + 176 =$
$8 + 5 =$	$34 + 18 =$	$152 + 77 =$	$452 + 87 =$
$22 + 9 =$	$66 + 28 =$	$127 + 69 =$	$378 + 102 =$
$31 + 7 =$	$45 + 39 =$	$232 + 80 =$	$678 + 342 =$
$18 + 14 =$	$54 + 32 =$	$324 + 37 =$	$543 + 261 =$
$14 + 11 =$	$66 + 25 =$	$324 + 37 =$	$543 + 261 =$

**Tuesday**

Starter: As yesterday. Can you beat your score?

Main: Adding using the column method

**Additions Tuesday**

			
$11 + 8 =$	$63 + 12 =$	$122 + 77 =$	$149 + 132 =$
$12 + 5 =$	$14 + 13 =$	$144 + 25 =$	$354 + 97 =$
$11 + 9 =$	$54 + 22 =$	$126 + 63 =$	$377 + 131 =$
$32 + 7 =$	$45 + 32 =$	$212 + 44 =$	$643 + 329 =$
$16 + 13 =$	$44 + 22 =$	$363 + 21 =$	$516 + 281 =$
$25 + 4 =$	$26 + 24 =$	$325 + 59 =$	$567 + 264 =$

**Wednesday**

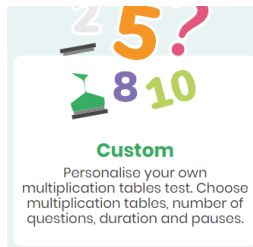
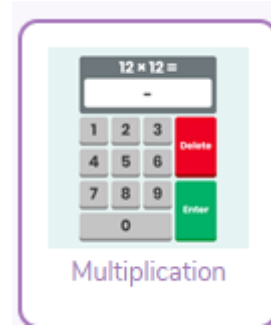
Starter: Practice counting in 2s 5s and 10s

Challenge: Login to Purple Mash/ Maths

Complete a times tables Quiz

NOTE: You can make these as easy/hard as you require

By pressing 'custom'



Main: Taking away on a blank number line

**Subtractions Wednesday**





★	★ ★	★ ★ ★	★ ★ ★ ★
$9 - 7 =$	$67 - 26 =$	$132 - 87 =$	$347 - 176 =$
$8 - 5 =$	$34 - 18 =$	$152 - 77 =$	$452 - 87 =$
$22 - 9 =$	$66 - 28 =$	$127 - 79 =$	$378 - 102 =$
$31 - 7 =$	$45 - 39 =$	$232 - 80 =$	$678 - 372 =$
$18 - 11 =$	$57 - 32 =$	$324 - 37 =$	$573 - 261 =$
$17 - 11 =$	$66 - 25 =$	$227 - 37 =$	$576 - 261 =$

**Thursday**

Starter: Using the 100 square, make a list of all the odd/even numbers you can think of in 1 minute.

Main: Taking away using column method.

**Subtractions Thursday**

			
$9 - 7 =$	$67 - 26 =$	$132 - 81 =$	$347 - 176 =$
$8 - 5 =$	$34 - 12 =$	$252 - 77 =$	$372 - 9687 =$
$22 - 9 =$	$66 - 24 =$	$127 - 76 =$	$468 - 134 =$
$31 - 7 =$	$45 - 32 =$	$232 - 121 =$	$578 - 372 =$
$18 - 11 =$	$57 - 22 =$	$324 - 23 =$	$473 - 261 =$
$17 - 11 =$	$66 - 25 =$	$227 - 33 =$	$576 - 363 =$

**Friday**

Starter: Using the 100 square, make a list of all the odd/even numbers you can think of in 1 minute.

CHALLENGE: What other numbers can you think of (higher than 100) can you beat your score from yesterday?

Main: Problem solving Friday.

Can you solve the following problems? Remember to explain your answers!

**1** Complete the calculations.

$$\text{Yellow Circle} - \text{Green Triangle} = 2$$

$$\text{Yellow Circle} + \text{Yellow Circle} = 10$$

$$\text{Red Square} + \text{Yellow Circle} + \text{Green Triangle} =$$

$$\text{Green Triangle} + \text{Red Square} = 7$$

**2** An apple and banana cost the same as a pineapple.

Two pears cost 40p.

Bananas cost the same as pears.

An apple costs 3p less than a pear.

What is the cost of a pineapple?

**3** Ron and Eva are standing in a line of children.

Ron is the 2<sup>nd</sup> person from the front of the line.

Eva is the 2<sup>nd</sup> person from the back of the line.

There are 2 people between them.

How many children are in the line?



**4** Use the information to put the children in the correct order.

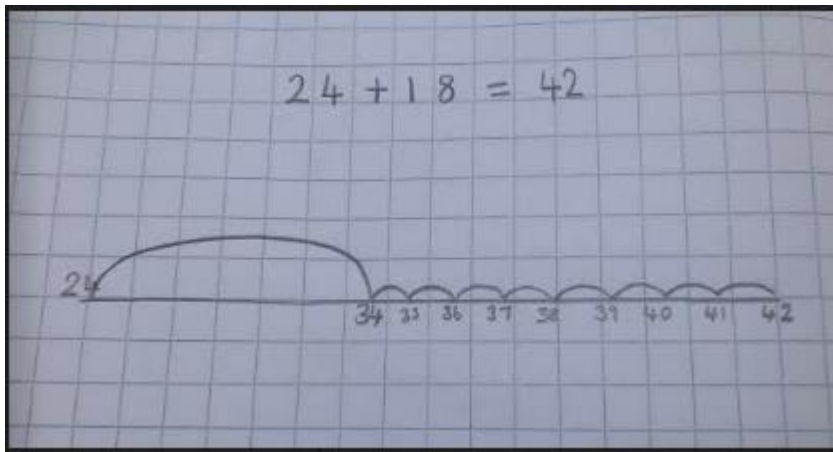
- Ron is in front of Amir.
- Whitney is 3<sup>rd</sup> from the back.
- Amir is 2<sup>nd</sup> from the front.
- There are three children between Ron and Dexter.

The method for adding on a blank number line is as follows.

Put the biggest number on the left of the number line.

Add in jumps of 10 and then 1s. (if you are adding in hundreds, do jumps of hundreds, then tens, then ones)

If your child can't add 10 in their head, they can use a hundred square as a reference.



The method for adding using the column method is as follows:

A handwritten column method for adding 24 and 18 on grid paper. The numbers are aligned by place value: 24 is above 18. A plus sign is to the left of 18. A horizontal line is drawn under 18. The sum 42 is written below the line. A second horizontal line is drawn under 42. A carry of 1 is written below the second line, under the tens column.

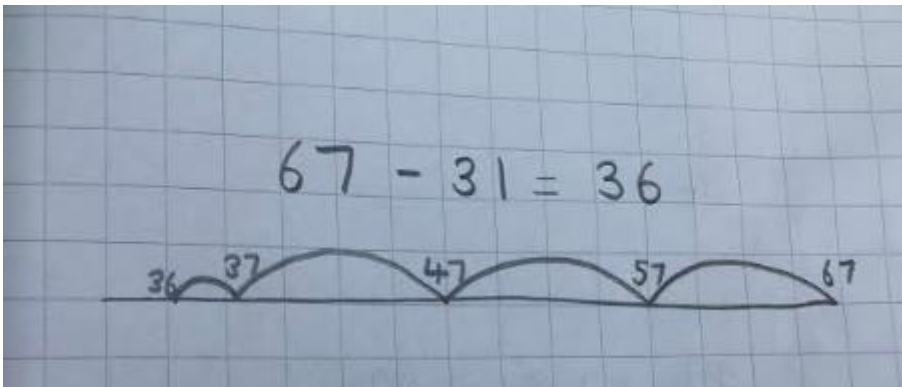
$$\begin{array}{r} 24 \\ + 18 \\ \hline 42 \\ \hline 1 \end{array}$$

It is really important that the children show their workings out. If they are struggling with the blank number line you can cut out and stick together the (1-100) number line and let them use that.

The method for taking away on a blank number line is as follows.

Put the biggest number on the right of the number line.

Take away in jumps of 10 and then 1s. (if you are taking away hundreds, do jumps of hundreds, then tens, then ones)  
If your child can't take away 10 in their head, they can use a hundred square as a reference.



The method for taking away using the column method is as follows:

$$\begin{array}{r} 67 \\ - 31 \\ \hline 36 \end{array}$$

$$\begin{array}{r} \overset{2}{\cancel{3}}17 \\ - 29 \\ \hline 08 \end{array}$$

This is how to do column subtraction (carrying 10s)



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

# My 1 to 100 Number Line



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25



26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50



51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75



76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

