Fluency

Year 6– Autumn

ATLAS COMMUNITY PRIMARY SCHOOL

To know all multiplication facts up to 12 x 12

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

To know and use formal methods for addition, subtraction, multiplication and division

```
  1 7 6 5
+ 4 3 8 8
  6 1 5 3
    1 1
```

```
  3 ⁸9̶ ⁴5̶ ¹2
- 1 4 7 5
  2 4 7 7
```

```
)  1 4 3 1
X    2 3
   4 2 9 3   (1431 x 3)
 2 8 6 2 0   (1431 x 20)
 3 2 9 1 3
   1 1
```

Short division

432 ÷ 5 becomes
```
      8 6
    ³
5 | 4 3 2
```
Answer: 86 remainder 2

574 ÷ 15 becomes
```
        3 8
          ¹²
1 5 | 5 7 4
```
Answer: 38 $^4/_{15}$

511 ÷ 35 becomes
```
        1 4.  6
         ¹⁶ ²¹
3 5 | 5 1 1. 0
```
Answer: 14.6

Top Tips

The secret to success is practising little and often. Use time wisely. Can you practise these facts while walking to school or during a car journey?

TT Rockstars-https://ttrockstars.com/

Hit the button- https://www.topmarks.co.uk/maths-games/hit-the-button

Maths bot- https://mathsbot.com/primary/ks2