

1. Fluency

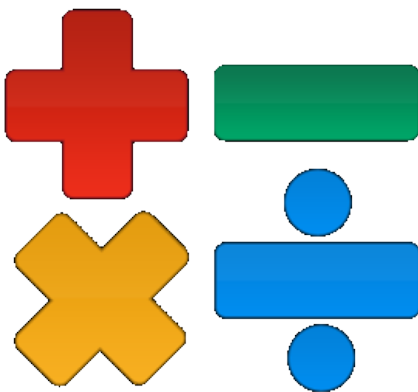
2. Reasoning and Problem Solving

3. Use of ICT

4. Multiplication Check

What is fluency?

One of the three aims of the new curriculum states that pupils (of all ages, not just primary children) will: become fluent in the fundamentals of mathematics.



Children will be able to use the four operations to answer number problems. This includes: percentages, fractions and decimals.

How do we approach fluency?

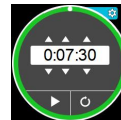
- The introduction of Fluency 15.
- Daily practice of the four operations in varied approaches.
- Children work independently, asking for support where necessary.
- Fast paced, competitive and fun!
- Children mark their own whilst verbalising their working as a group.
- The daily practice of the basics has shown that children are able to approach reasoning and problem solving questions more confidently.

Fluency Fifteen

30.06.22

Place Value

1. Complete the sequence
 300 500 600
2. $5328 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 8$.
3. Write these numbers in **ascending** order
 4.3 4.7 5 1.3
4. Round 352.6kg to the nearest kg.
5. What is LI in digits?
6. What is 526.6m in cm?
7. What is $9.2 \div 10$?



Addition and Subtraction

8. $5329 + 2390 =$
9. $1000 - 124 - 532 =$

Multiplication and Division

10. $2 \times 8 \times 3 =$
11. $737 \div 6 =$

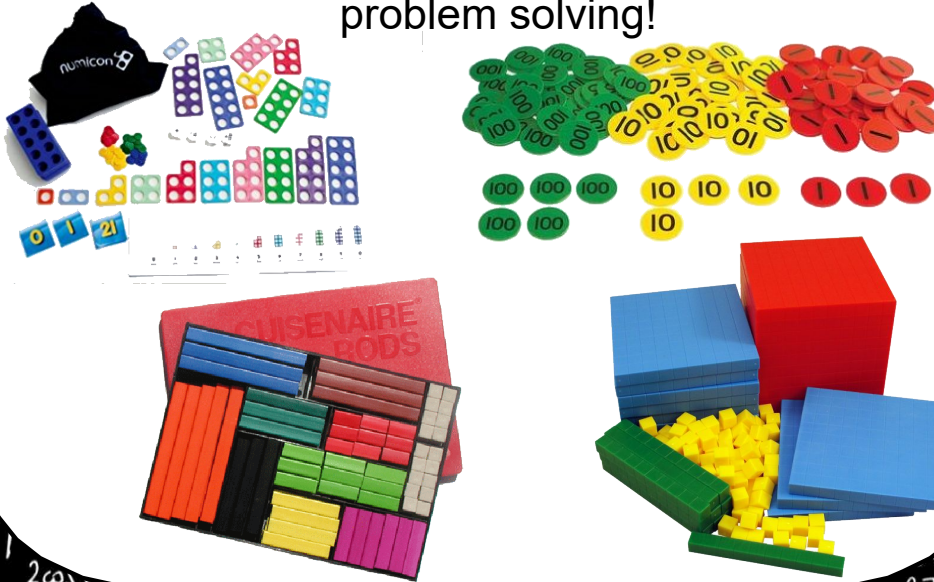
Fractions and decimals

12. $531 \div 1 =$
13. What is 0.75 as a fraction?
14. $\frac{4}{9}$ of 81 =

15. What is the perimeter of the shape? 18cm
 3cm

Resources

All classes now have a vast range of resources to support the teaching of fluency, reasoning and problem solving!



ICT Resources



All accessible at home!

Mathematical Vocabulary

It can/can't be because...

I was systematic because...

This is different/same because...

I noticed that...

My evidence shows that...

MTC

What parents need to know...

Times tables

1 times table 1x1=1 2x1=2 3x1=3 4x1=4 5x1=5 6x1=6 7x1=7 8x1=8 9x1=9 10x1=10 11x1=11 12x1=12	2 times table 1x2=2 2x2=4 3x2=6 4x2=8 5x2=10 6x2=12 7x2=14 8x2=16 9x2=18 10x2=20 11x2=22 12x2=24	3 times table 1x3=3 2x3=6 3x3=9 4x3=12 5x3=15 6x3=18 7x3=21 8x3=24 9x3=27 10x3=30 11x3=33 12x3=36	4 times table 1x4=4 2x4=8 3x4=12 4x4=16 5x4=20 6x4=24 7x4=28 8x4=32 9x4=36 10x4=40 11x4=44 12x4=48	5 times table 1x5=5 2x5=10 3x5=15 4x5=20 5x5=25 6x5=30 7x5=35 8x5=40 9x5=45 10x5=50 11x5=55 12x5=60	6 times table 1x6=6 2x6=12 3x6=18 4x6=24 5x6=30 6x6=36 7x6=42 8x6=48 9x6=54 10x6=60 11x6=66 12x6=72
7 times table 1x7=7 2x7=14 3x7=21 4x7=28 5x7=35 6x7=42 7x7=49 8x7=56 9x7=63 10x7=70 11x7=77 12x7=84	8 times tables 1x8=8 2x8=16 3x8=24 4x8=32 5x8=40 6x8=48 7x8=56 8x8=64 9x8=72 10x8=80 11x8=88 12x8=96	9 times tables 1x9=9 2x9=18 3x9=27 4x9=36 5x9=45 6x9=54 7x9=63 8x9=72 9x9=81 10x9=90 11x9=99 12x9=108	10 times tables 1x10=10 2x10=20 3x10=30 4x10=40 5x10=50 6x10=60 7x10=70 8x10=80 9x10=90 10x10=100 11x10=110 12x10=120	11 times tables 1x11=11 2x11=22 3x11=33 4x11=44 5x11=55 6x11=66 7x11=77 8x11=88 9x11=99 10x11=110 11x11=121 12x11=132	12 times tables 1x12=12 2x12=24 3x12=36 4x12=48 5x12=60 6x12=72 7x12=84 8x12=96 9x12=108 10x12=120 11x12=132 12x12=144

Timestables.co.uk

The headlines...

New statutory test for all Year 4 pupils.

Online.

25 questions testing fluent recall of multiplication tables.

No pass mark - to be classed as fluent all children need to score full marks.

Takes place in June every year.

How is the data used?

- school level/individual results made available to schools.
- school level results will be available to selected users, including Ofsted
- reported by the DfE to track standards
- national and local authority results to allow schools to benchmark the performance of their pupils.

How will it work?

- delivered on-screen using a computer and internet connection.
- no other resources are allowed.
- all 121 (2x - 12x) times table facts will be tested and allocated at random.
- an emphasis on 6,7,8, 9 and 12 times tables.

5.2.2 Table 2 – KS1 and KS2 item limits in the MTC

Key Stage	Items available	Minimum number of items in each form	Maximum number of items in each form
KS1	33	3	7
KS2	88	18	22

Table 2 shows the upper and lower limits for the number of KS1 items (the 2, 5 and 10 multiplication tables) and KS2 items to be included in each check form. As a KS2 assessment of multiplication tables mastery, the majority of the items in each form will be drawn from the KS2 curriculum. Multiplication tables taught at KS1 will be minimised, but are included to ensure an appropriate breadth of coverage.

How will it work? Cont...

- pupils have 6 seconds per question.
- whatever is in the answer box after 6 seconds is inputted automatically as the answer.

E.G./ If a child has inputted 7 (72) for 8 x 9 and 6 seconds passes, the 7 will be submitted as their answer.

$$n1 \times n2 = \boxed{}$$

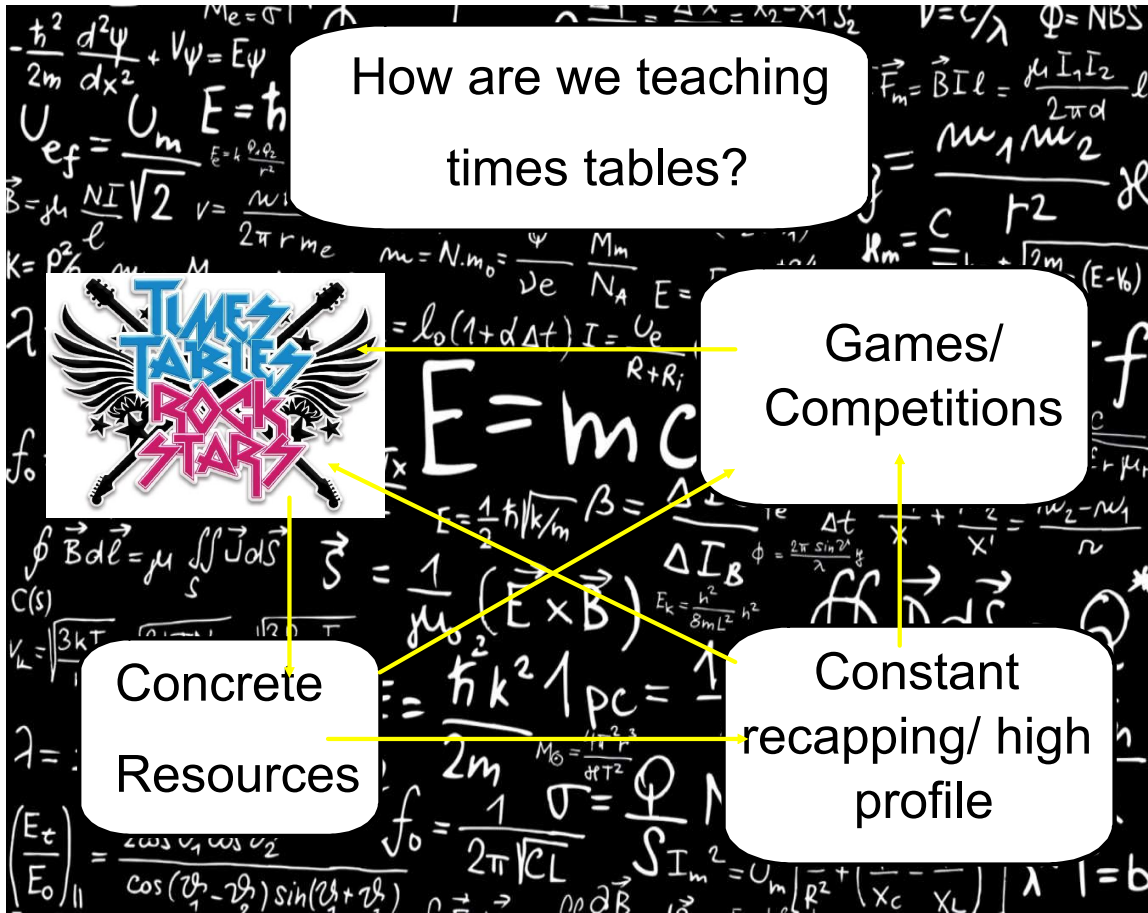
How are we teaching times tables?



Games/
Competitions

Concrete
Resources

Constant
recapping/ high
profile



Attachments

Christmas Advert The Bear and the Hare- John Lewis 2013.mp4

Reading Planning.docx

Reading Rota RIC LKS2.docx