Year 3
Maths
Friday 10th July 2020

Lesson Aims

- To become familiar with the multiplication and division facts for the 3, 4 and 8x tables.

Fluency Starter

- Natalie was thinking of a number. She multiplies it by 3 and now has 27. What was Natalie's first number?

- Milly was thinking of a number. She divides it by 4 and now has 11. What was Milly's first number?

- George was thinking of a number. He multiplies it by 8 and now has 64. What was George's first number?

Fluency Answers

- Natalie was thinking of a number. She multiplies it by 3 and now has 27. What was Natalie's first number?
- **9** x 3 = 27

- Milly was thinking of a number. She divides it by 4 and now has 11. What was Milly's first number?
- **44** ÷ 4 = 11

- George was thinking of a number. He multiplies it by 8 and now has 64. What was George's first number?
- **8** x 8 = 64

Main Teaching

THE THREE TIMES TABLE

3 X 0 = 0	0	0 ÷ 3 = 0
3 x 1 = 3	3	3 ÷ 3 = 1
3 X 2 = 6	6	6 ÷ 3 = 2
3 X 3 = 9	9	9 ÷ 3 = 3
3 X 4 = 12	12	12 ÷ 3 = 4
3 X 5 = 15	15	15 ÷ 3 = 5
3 X 6 = 18	18	18 ÷ 3 = 6
3 X 7 = 21	21	21 ÷ 3 = 7
3 X 8 = 24	24	24 ÷ 3 = 8
3 X 9 = 27	27	27 ÷ 3 = 9
3 X 10 = 30	30	30 ÷ 3 = 10
3 X 11 = 33	33	33 ÷ 3 = 11
3 X 12 = 36	36	36 ÷ 3 = 12

Multiplication and division facts for the 3x table.

Practise reciting the 3x table and explain that when they recite the division facts you have to start with the biggest number i.e. the answer from the multiplication fact.

Main Teaching

THE FOUR TIMES TABLE

4 X 0 = 0	0	0 ÷ 4 = 0
4 x 1 = 4	4	4 ÷ 4 = 1
4 X 2 = 8	8	8 ÷ 4 = 2
4 X 3 = 12	12	12 ÷ 4 = 3
4 X 4 = 16	16	16 ÷ 4 = 4
4 X 5 = 20	20	20 ÷ 4 = 5
4 X 6 = 24	24	24 ÷ 4 = 6
4 X 7 = 28	28	28 ÷ 4 = 7
4 X 8 = 32	32	32 ÷ 4 = 8
4 X 9 = 36	36	36 ÷ 4 = 9
4 X 10 = 40	40	40 ÷ 4 = 10
4 X 11 = 44	44	44 ÷ 4 = 11
4 X 12 = 48	48	48 ÷ 4 = 12

Multiplication and division facts for the 4x table.

Practise reciting the 4x table and explain that when they recite the division facts you have to start with the biggest number i.e. the answer from the multiplication fact.

Main Teaching

THE EIGHT TIMES TABLE

8 X 0 = 0	0	0 ÷ 8 = 0
8 x 1 = 8	8	8 ÷ 8 = 1
8 X 2 = 16	16	16 ÷ 8 = 2
8 X 3 = 24	24	24 ÷ 8 = 3
8 X 4 = 32	32	32 ÷ 8 = 4
8 X 5 = 40	40	40 ÷ 8 = 5
8 X 6 = 48	48	48 ÷ 8 = 6
8 X 7 = 56	56	56 ÷ 8 = 7
8 X 8 = 64	64	64 ÷ 8 = 8
8 X 9 = 72	72	72 ÷ 8 = 9
8 X 10 = 80	80	80 ÷ 8 = 10
8 X 11 = 88	88	88 ÷ 8 = 11
8 X 12 = 96	96	96 ÷ 8 = 12

Multiplication and division facts for the 8x table.

Practise reciting the 8x table and explain that when they recite the division facts you have to start with the biggest number i.e. the answer from the multiplication fact.

Activity

- Print off the multiplication and division fact triangles. You'll need your facts about both operations in order to find the missing numbers.
- Print off and play the game MATHS FRIDAY GAME. The snake has the answers on it, but what are the questions?
- Play this game –practise both the multiplication and division facts for the 3, 4 and 8x tables. Start with the one your child feels least confident in.
- https://www.topmarks.co.uk/maths-games/hit-the-button
- Print off and colouring in the sheet called MATHS FRIDAY COLOURING. Colour in the flowers according to the answers.
- https://www.bbc.co.uk/teach/supermovers/ks1-maths-the-4-times-table-with-cyril-the-swan/zmsw382
- If you're feeling energetic you can finish off by dancing your 4x table facts with Cyril the Swan.

Extras

- Don’t forget to keep on logging on to Doodle Maths where extras have been set for you. Getting those correct will help you earn more stars.

- Also there is maths work set on Purple Mash.