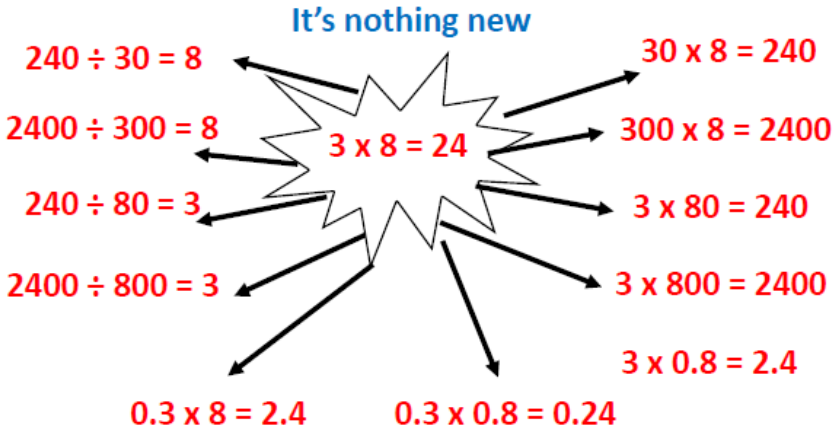
Ideas to support at home:

Magic Ten

You could use **'Magic Ten'** every day to develop and secure number facts and knowledge. You could focus on number bonds or multiplication and division facts and explore how these can be used to find other facts like below.



Board Games

Playing board games can be a great way to improve mental maths skills and elements of maths such as strategic and logical thinking. Some great games to play are below:

1. Monopoly
2. Battleships
3. Mastermind
4. Sudoku
5. Scrabble
6. Rummikub
7. Rush Hour
8. Tangrams

Year 5
Maths Parent Booklet

SCOTT Primary School

Supporting your child at home

Basic Skills by end of Year 5

Addition

Use column addition, including exchanges.

TTh	Th	H	T	O
	1	9	1	7	5
+	1	8	4	1	7
	3	7	5	9	2

O	·	Tth	Hth
0	·	9	2
+ 0	·	3	3
1	·	2	5

Subtraction

Use column subtraction methods with exchange where required.

TTh	Th	H	T	O
	~~5~~	~~11~~	~~1~~	0	9	7
−	1	8	5	3	4
	4	3	5	6	3

O	·	Tth	Hth	Thth
3	·	9	2	1
− 3	·	7	5	0
	·			

62,097 − 18,534 = 43,563

Multiplication

Use the area model

28 × 15 = ?

	20 m	8 m
10 m	20 × 10 = 200 m²	8 × 10 = 80 m²
5 m	20 × 5 = 100 m²	8 × 5 = 40 m²

H	T	O
2	0	0
1	0	0
	8	0
+	4	0
4	2	0

28 × 15 = 420

Use column multiplication

	1	2	7	4
×			3	2
	2	5	4	8
3	8	2	2	0
4	0	7	6	8

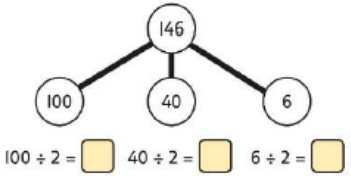
1,274 × 2
1,274 × 30
1,274 × 32

1,274 × 32 = 40,768

	3	1	2
×			3
9	3	6	

Division

Partitioning to divide



100 ÷ 2 = 50
40 ÷ 2 = 20
6 ÷ 2 = 3
50 + 20 + 3 = 73
142 ÷ 2 = 73

Short division

Use short division for up to 4-digit numbers divided by a single digit.

	0	5	5	6
7	3	8	9	2

3,892 ÷ 7 = 556

Key Fluency Skills by end of Year 5

- Quickly recall compliments to 100 e.g. 34 + 66
- Derive and recall tables up to x12
- Multiply and divide whole numbers by 10, 100, 1000
- Identify and list prime numbers to 20
- Identify and list square numbers to 12.
- Find the square root of numbers to 144.
- Count up and down in tenths and hundredths.
- Quickly recall compliments to 1 e.g. 0.6 + 0.4, 0.34 + 0.66
- Add and subtract tenths 0.2 + 0.3 = 0.5, 0.8 + 0.6 = 1.4
- Add and subtract hundredths 0.04 – 0.03 = 0.01, 0.63-0.59 = 0.04
- Multiply tenths 0.3 x 3 = 0.9
- Recall metric conversions e.g. 1 kilogram = 1000 grams
- Convert decimals to fractions

  $\frac{1}{2}$ = 0.5 $\frac{1}{4}$ = 0.25 $\frac{3}{4}$ = 0.75 1/5 = 0.2
  1/10 = 0.1 1/100 = 0.01 21/100 = 0.21