Year 6 Autumn 2 KIRFS

Key Instant Recall Facts (KIRFs) are designed to support the development of the arithmetic skills that underpin all maths learning in school. KIRFs help reduce the cognitive load when learning maths and greatly support the development of mental maths agility.

Multiply and divide whole numbers by 10,100 and 1000 and its application
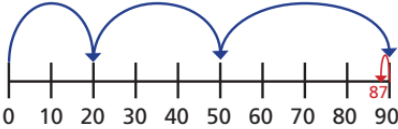
Example: 634 x 100 = 63400

Example: 2800 ÷ 100 = 28

Recall order of operations

BIDMAS

Brackets Indices Division Multiplication Addition Subtraction

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In addition you can help by practising the following:

Finding and identifying common factors of a pair of numbers.	Factors of **12**: 1,2,3,4,6,12 Factors of **18**: 1,2,3,6,9,18 Common factors of 12 & 18 are: 1,2,3. Highest common factor is 6
Converting mixed and improper fractions	mixed number ⟷ improper fraction $3\frac{2}{5} = \frac{17}{5}$
Rounding and then adjusting as a mental strategy	19 + 29 + 39 0 10 20 30 40 50 60 70 80 90 87 20+30+40 =90 90-3 =87
Partitioning numbers to add mentally	62 + 55 = 117 ➜ 62 + 50 + 5 62+50 =112 112 + 5 =117