

## Year 5-6

### Multiplication & Division

#### Learning Steps

##### Block Intro

1	2 x 1 column into 3 x 1 into 4 x1 with no regrouping
2	2 x 1 column into 3 x 1 into 4 x1 with one regrouping
3	2 x 1 column into 3 x 1 into 4 x1 with two regrouping
4	2 x 1 column into 3 x 1 into 4 x1 with multiple regrouping
5	<b>PS Lesson: short multiplication (multi-step / real-life word)</b>
6	Long multiplication with no regroup
7	Long multiplication with one regroup
8	Long multiplication with two regroup
9	Long multiplication with multiple regroup
10	<b>PS Lesson: long multiplication (multi-step / multi-domain)</b>
11	2 x 1 into 3 x 1 into 4 x1 with no remainder at all
12	2 x 1 into 3 x 1 into 4 x1 with remainder at end
13	2 x 1 into 3 x 1 into 4 x1 with one remainder within
14	2 x 1 into 3 x 1 into 4 x1 with more than one remainder within
15	<b>PS Lesson: short division (work backwards)</b>
16	Building multiple strings (fact bank)
17	Long division – no remainder – divisor smaller than first 2 digits of dividend
18	Long division – remainder – divisor smaller than first 2 digits of dividend
19	Long division – no remainder – divisor larger than first 2 digits of dividend
20	<b>PS Lesson: long multiplication (open-ended)</b>
21	<b>Assessment</b>
22	<b>Pause &amp; Stretch</b>
23	<b>PS Skills Lesson: systematic approach</b>

#### Key Principles

- Number formation must be every day in Year 1.
- Bar modelling to be used in all units where possible.
- Block Intro sessions replace mental maths/retrieval on the first day of a unit and give a reason to the learning or children.
- Lessons follow agreed school LDM with reasoning throughout and as a set task to finish.
- **Proper problem-solving is dealt with in dedicated lessons.**
- **Assessments will be given proper time and be immediately after the unit.**
- **Pause will be led by teacher and 'stretch' will be independent GD problems with afternoon follow-up by teacher.** A learning step does not necessarily equate to a lesson – it could be lesson; it could be more; it could be less. *Slow down to speed up* – it takes as long as it needs for all to have learnt – not just be taught. If some need more, trim others.