

Terms 1 & 2

Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7
1 – Place Value		2 – Four operations			Assesment	3- Fractions A	Internati onal week	3- Fractions A	4 – Fractions B		5- Converting units	Assesment	6- Ratio	7

**adapted from WRM progression*

Unit 1 – Place Value

Lesson	Fluency Skill / Skip Counting	Learning Objective(s)
1	<i>doubling of numbers to 50</i>	Numbers to 1,000,000
2	<i>doubling any numbers to 100</i>	Numbers to 10,000,000
3	<i>~Flashback space~</i>	Read and write numbers to 10,000,000
4	<i>near doubles</i>	Powers of 10
5	<i>10/100/1000 more or less – including crossing boundaries</i>	Number line to 10,000,000
6	<i>what's halfway?</i>	Compare and order any integers
7	<i>count in 1s, 10s, 100s over boundaries, starting at irregular numbers.</i>	Round any integer
8	<i>~Flashback space~</i>	Negative numbers

Unit 2 – Four operations

Multi-step problems and division problems combined into one step and can be revisited during revision sessions

Lesson	Fluency Skill / Skip Counting	Learning Objective(s)
1	<i>What must be added to any 3-digit number to make the next multiple of 100 ($521 + \underline{\quad} = 600$)</i>	Add and subtract integers
2	<i>Doubles and halves of decimals, (half of 5.6, double 3.4)</i>	Common factors
3	<i>Add or subtract any pair of 2-digit numbers * by partitioning or jumping on a numberline.</i>	Common multiples
4	<i>Add or subtract any pair of 3-digit multiples of 10 * by partitioning or jumping on a numberline.</i>	Rules of Divisibility
5	<i>~Flashback space~</i>	Prime numbers to 100
6	<i>Add or subtract a near multiple of 10 or 100 ($56 + 29$; $235 - 198$)</i>	Square and Cube numbers
7	<i>Multiply a multiple of 10 or 100 up to 1000 by a 1-digit number (40×3; 800×6).</i>	Multiply 4-digits by 2-digits
8	<i>Divide a multiple of 10 or 100 by a 1-digit number, resulting in a whole number ($80 \div 4$; $270 \div 3$; $400 \div 8$)</i>	Short Division
9	<i>Multiply pairs of multiples of 10 (60×30)</i>	Division using factors
10	<i>~Flashback space~</i>	Long division
11	<i>Multiply 2-digit numbers by 4 or 8 by repeated doubling (26×4; $96 \div 8$)</i>	Long division with remainders
12	<i>Divide 2-digit and 3-digit numbers by 4 or 8 by repeated halving (26×4; $96 \div 8$)</i>	Solve division problems / Solve multi-step problems
13	<i>$\times 25$, $\times 250$</i>	Order of operations
14	<i>Multiply 2-digit numbers by 5 or 20 (320×5) by relating to $\times 10$ then halve/double.</i>	Add two numbers (across a 100)

Unit 3 – Fractions A

Some of the times-table steps may be unnecessary, depending on the cohort's progress with times tables on Times-Table Rockstars – OL and RJ to discuss by looking at TTRS Heatmap closer to the time.

Lesson	Fluency Skill / Skip Counting	Learning Objective(s)
1	~Flashback space~	Equivalent fractions and simplifying
2	What must be added to a decimal with units and tenths to make the next whole number	Equivalent fractions on a number line
3	Simplify fractions with common factors	Compare and order (denominator)
4	Doubling each time, starting at 1	Compare and order (numerator)
5	Find the difference between near multiples of 100 (607 – 588)	Add and subtract simple fractions
6	~Flashback space~	Add and subtract any two fractions
7	Halving each time, starting at 64 (explore going into fractions and decimals)	Add mixed numbers
8	Find doubles of decimals each with units and tenths	Subtract mixed numbers
9	Find near doubles of decimals each with units and tenths	Multi-step problems

Unit 4 – Fractions B

Lesson	Fluency Skill / Skip Counting	Learning Objective(s)
1	$\times 15$ (link to time)	Multiply fractions by integers
2	~Flashback space~	Multiply fractions by fractions
3	$\times 180$ (link to degrees)	Divide fractions by an integer
4	Multiply 3-digit numbers by 100 (543×100)	Mixed questions with fractions
5	Relate unit fractions to times table knowledge ($9 \times 7 = 63$, so $1/9$ of $63 = 7$)	Fraction of an amount
6	Find simple non-unit fractions of numbers and quantities, including measures	Fraction of an amount – finding the whole
7	~Flashback space~	Multiply fractions by integers
8	$\times 15$	Multiply fractions by fractions
9	$\times 18$ (link to degrees or $+20, -2$)	Divide fractions by an integer

Unit 5 – Converting units

Lesson	Fluency Skill / Skip Counting	Learning Objective(s)
1	Multiply and divide whole numbers and decimals by 10, 100 or 1000	Convert metric measures
2	$\times 5$, starting at random numbers	Calculate with metric measures
3	~Flashback space~	Miles and kilometres
4	What must be added to a 4-digit multiple of 10 to make the next multiple of 1000	Imperial measures

Unit 6 - Ratio

Lesson	Fluency Skill / Skip Counting	Learning Objective(s)
1	<i>What must be added to any 4-digit number to make the next multiple of 1000</i>	Add or multiply and use ratio language
2	<i>x 9, starting at random numbers</i>	Introduction to the ratio symbol
3	<i>Multiply and divide by 50 by relating to 100 (32 x 50)</i>	Ratio and fractions
4	<i>~Flashback space~</i>	Scale drawing
5	<i>Multiply and divide by 25 by relating to 100 (48 x 25)</i>	Use scale factors & Similar shapes
6	<i>Multiply and divide 2-digit decimals (4.8 ÷ 6)</i>	Ratio problems
7	<i>Near doubles (recap)</i>	Proportion problems
8	<i>Near doubles (recap)</i>	Recipes

Unit 7 – Position and direction

Lesson	Fluency Skill / Skip Counting	Learning Objective(s)
1	<i>~Flashback space~</i>	Read and plot points in four quadrants
2	<i>x14</i>	Solve problems with coordinates
3	<i>Multiply pairs of multiples of 10 and 100 (300 x 80)</i>	Translations
4	<i>Divide pairs of multiples of 10 and 100 (2100 ÷ 300)</i>	Reflections