



Year 5 Maths Ladders

Year 5 Ladder: 1 Week: 1-2 Autumn				
Step	LI: to develop our understanding of place value	Assessment circle	Date completed	
1	I can represent numbers to 10,000	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	
2	I can round to the nearest 10,100 and 1000	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	
3	I can represent numbers to 100,000	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	
4	I can compare and order numbers to 100,000	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	
5	I can round to the nearest 10,100, 1000, 10,000 and 100,000	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	
6	I can use numbers to one million	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	
7	I can count in powers of ten to 1,000,000	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	

Year 5 Maths Ladders

Year 5 Ladder: 1 Week: 3 Autumn				
Step	LI: to develop our understanding of place value	Assessment circle	Date completed	
1	I can compare and order numbers to a million	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	
2	I can round within a million	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	
3	I can use negative numbers	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	
4	I can use roman numerals to 1000	1. Fluency Questions 2. Reasoning 3. Problem solving	EXP EXS GDS EXP EXS GDS EXP EXS GDS	

Ladder: 3 Autumn

Week: 4-5



Step	LI: to develop our understanding of addition and subtraction	Date completed
1	I can add whole numbers with more than 4 digits using the column method	
2	I can subtract whole numbers with more than 4 digits using the column method	
3	I can use rounding to estimate and approximate	
4	I can use inverse operations in addition and subtraction	
5	I can solve multi step addition and subtraction problems	
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9		
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Year 5 Maths Ladders

Ladder: 4 Autumn

Week: 6-7



Step	LI: to develop our understanding of statistics	Date completed
1	I can read and interpret line graphs	
2	I can draw line graphs	
3	I can use line graphs to solve problems	
4	I can read and interpret tables	
5	I can use two-way tables	
6	I can read timetables	
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8		
9		
10		

Year 5 Maths Ladders

Ladder: 5 Autumn

Week: 8-9



Step	LI: to develop our understanding of multiplication and division	Date completed
1	I understand and can find multiples	
2	I understand and can find factors	
3	I understand and can find common factors	
4	I understand and know prime numbers	
5	I understand and know square numbers	
6	I understand and know cube numbers	
7	I can multiply by 10, 100 and 1000	
8	I can divide by 10, 100 and 1000	
9	I can find and use multiples of 10, 100 and 1000	
10		

Year 5 Maths Ladders

Ladder: 6 Autumn

Week: 10-11



Step	LI: to develop our understanding of area and perimeter	Date completed
1	I can measure perimeter	
2	I can calculate perimeter	
3	I calculate the area of rectangles	
4	I can calculate the area of compound shapes	
5	I can find the area of irregular shapes	
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Year 5 Maths Ladders

Ladder: 1 Spring

Week: 1-3



Step	LI: to develop our understanding of multiplication and division	Date completed
1	I can multiply 4-digits by 1-digit	
2	I can multiply 2-digits using an area model	
3	I can multiply 2-digits by 2-digits	
4	I can multiply 3-digits by 2-digits	
5	I can multiply 4-digits by 2-digits	
6	I can divide 4-digits by 1-digit	
7	I can divide with remainders	
8		
9		
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Year 5 Maths Ladders

Ladder: 2 Spring

Week: 4-6



Step	LI: to develop our understanding of fractions	Date completed
1	I can find equivalent fractions	
2	I can convert improper fractions into mixed number fractions	
3	I can convert mixed number fractions into improper fractions	
4	I can use fractions in number sequences	
5	I can compare and order fractions less than 1	
6	I can compare and order fractions greater than 1	
7	I can add and subtract fractions	
8	I can add fractions within 1	
9	I can add 3 or more fractions	
10	I can add fractions	

Ladder: 3 Spring

Week: 7-9



Step	LI: to develop our understanding of fractions	Date completed
1	I can add mixed numbers	
2	I can subtract fractions	
3	I can subtract mixed numbers where the denominators are multiples	
4	I can subtract mixed numbers by breaking the whole	
5	I can subtract two mixed numbers	
6	I can multiply unit fractions by an integer	
7	I can multiply non-unit fractions by an integer	
8	I can multiply mixed numbers by integers	
9	I can find fractions of an amount, quantity or measure	
10	I can use fractions as operators	

Year 5 Maths Ladders

Ladder: 4 Spring

Week: 10-11



Step	LI: to develop our understanding of decimals and percentages	Date completed
1	I can use decimals up to 2d.p	
2	I can convert fractions into decimals	
3	I can convert decimals into fractions	
4	I understand thousandths	
5	I can use thousandths as decimals	
6	I can round decimals to the nearest whole number and tenth	
7	I can order and compare decimals	
8	I understand percentages	
9	I understand how percentages, fractions and decimals link	
10	I can find equivalent fractions, decimals and percentages	

Year 5 Maths Ladders

Ladder: 1 Summer

Week: 1-2



Step	LI: to develop our understanding of decimals	Date completed
1	I can add decimals within 1	
2	I can subtract decimals within 1	
3	I can find decimals which sum to make 1	
4	I can add decimals crossing the whole	
5	I can add decimals greater than one with the same number of decimal places	
6	I can subtract decimals with the same number of decimal places	
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Year 5 Maths Ladders

Ladder: 2 Summer

Week: 3-4



Step	LI: to develop our understanding of decimals	Date completed
1	I can add decimals with a different number of decimal places	
2	I can subtract decimals with a different number of decimal places	
3	I can add and subtract decimals from whole numbers	
4	I can use decimals in sequences	
5	I can multiply decimals by 10, 100 and 1000	
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Ladder: 3 Summer

Week: 5-7



Step	LI: to develop our understanding of properties of shapes	Date completed
1	I can measure angles in degrees	
2	I can measure acute angles with a protractor	
3	I can measure obtuse angles with a protractor	
4	I can draw lines and angles accurately	
5	I can work with angles on a straight line	
6	I can work with angles around a point	
7	I can work with angles and lines within a shape	
8	I can identify regular and irregular polygons	
9	I can reason about 3D shapes	
10		

Year 5 Maths Ladders

Ladder: 4 Summer



Week: 8

Step	LI: to develop our understanding of position and direction	Date completed
1	I can use coordinates in the first quadrant	
2	I can reflect shapes in a mirror line	
3	I can describe reflection using coordinates	
4	I can translate shapes on a grid	
5	I can describe translation using coordinates	
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Year 5 Maths Ladders

Ladder: 5 Summer

Week: 9-10



Step	LI: to develop our understanding of converting measurement units	Date completed
1	I can convert between km and m and g and kg	
2	I can convert between m and mm and l and ml	
3	I can convert between different units of length	
4	I can convert between metric and imperial measures	
5	I can convert units of time	
6	I can read and interpret timetables	
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Year 5 Maths Ladders

Ladder: 6 Summer



Week: 11

Step	LI: to develop our understanding of volume	Date completed
1	I understand and use volume	
2	I can compare volume	
3	I can estimate volume	
4	I can estimate capacity	
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