

## Year 3 Lea Maths Ladders

### Number and place value

1. I can count from 0 in multiples of 4, 8, 50 and 100.
2. I can compare and order numbers up to 1,000.
3. I can read and write numbers to 1,000 in numerals and words.
4. I can find 10 or 100 more or less than a given number.
5. I can recognise the place value of each digit in a 3-digit number.
6. I can identify, represent and estimate numbers using different representations.
7. I can solve number problems and practical problems using above.

### Fractions, decimals and percentages

8. I can count up and down in tenths.
9. I recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10.
10. I recognise and can find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.
11. I can compare and order unit fractions and fractions with the same denominators.
12. I can add and subtract fractions with the same denominator within one whole.
13. I can solve problems involving the above.

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### Calculations

14. I can add and subtract mentally, including:
  15. A 3-digit number and ones
  16. A 3-digit number and tens
  17. A 3-digit number and hundreds
18. I can add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.
19. I can estimate the answer to a calculation and use inverse operation to check answers.
20. I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
21. I can recall and use multiplication and division facts for the 3, 4 and 8x tables.
22. I can write and calculate mathematical statements for multiplication and division using the multiplication tables, including for 2-digit numbers, using mental and progressing to formal written methods.
23. I can solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which  $n$  objects are connected to  $m$  objects.

Autumn = pink, Spring = yellow, Summer = green

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### Measurement

24. I can compare lengths using m, cm & mm.
25. I can compare mass using kg & g.
26. I can compare volume/capacity using l & ml.
27. I can measure lengths using m, cm & mm.
28. I can measure mass using kg & g.
29. I can measure volume/capacity using l & ml.
30. I can add and subtract lengths using m, cm & mm.
31. I can add and subtract mass using kg & g.
32. I can add and subtract volume/capacity using l & ml.
33. I can tell and write the time from an analogue clock (12 hour clock).
34. I can tell and write the time from an analogue clock (24 hour clock).
35. I can tell and write the time from an analogue clock (Roman numerals).
36. I can estimate and read time with increasing accuracy to the nearest minute.
37. I can record and compare time in terms of seconds, minutes and hours.
38. I can use the following vocabulary: o'clock, am, pm, morning, afternoon, noon & midnight.
39. I know the number of seconds in a minute.
40. I know the number of days in each month, year and leap year.
41. I can compare the duration of events.
42. I can measure the perimeter of simple 2D shapes.
43. I can add and subtract amounts of money to give change, using both £ and p in a practical context.

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### Geometry - properties of shapes

44. I can identify horizontal, vertical lines and pairs of perpendicular and parallel lines.
45. I can draw 2D shapes.
46. I can make 3D shapes using modelling materials.
47. I recognise 3D shapes in different orientations and describe them.
48. I recognise that angles are a property of shape or a description of a turn.
49. I can identify right angles.
50. I recognise that two right angles make a half-turn & three make a three quarter turn.
51. I can identify whether angles are greater than or less than a right angle.

### Statistics

52. I can interpret and present data using bar charts, pictograms and tables.
53. I can solve one-step and two-step questions using information presented in scaled bar charts, pictograms and tables.

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