Year 4 Lea Maths Ladders

Number, place value, approximation and estimation/rounding

1. I can count in multiples of 6, 7, 9, 25 and 1,000.
2. I can order and compare numbers beyond 1,000.
3. I can find 1,000 more or less than a given number.
4. I recognise the place value of each digit in a 4-digit number.
5. I can read Roman numerals to 100 and know that over time the numeral system changed to include the concept of zero and place value.
6. I can identify, represent and estimate numbers using different representations.
7. I can round any number to the nearest 10, 100 or 1,000.
8. I can count backwards through zero to include negative numbers.
9. I can solve number and practical problems with the above (involving increasingly large numbers).

Calculations

10. I can add and subtract numbers with up to 4-digits using the formal written methods of columnar addition and subtraction.
11. I can estimate and use inverse operations to check answers in a calculation.
12. I can solve addition and subtraction 2-step problems in contexts, deciding which operations and methods to use and why.
13. I can recall multiplication and division facts up to 12x12.
14. I can use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.
15. I recognise and use factor pairs and commutativity in mental calculations.
16. I can multiply a 2-digit or 3 digit number by a 1-digit number using formal written layout

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Calculations ctd.

17a) I can solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by 1-digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

17b) I can solve short division using a 1-digit divisor and up to 3 digit dividends.

Fractions, decimals and percentages

18. I can count up and down in hundredths.
19. I recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten.
20. I recognise and show using diagrams, families of common equivalent fractions.
21. I can add and subtract factions within the same denominator.
22. I recognise and write decimal equivalents to 1/4, 1/2 and $\frac{3}{4}$.
23. I recognise and write decimal equivalents of any number of tenths or hundredths.
24. I can round decimals with one decimal place to the nearest whole number.
25. I can compare numbers with the same number of decimal places up to 2 decimal places.
26. I can find the effect of dividing a 1-digit or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.
27. I can solve problems involving increasingly harder fractions and fractions to divide quantities, including non-unit fractions where the answer is a whole number.
28. I can solve simple measure and money problems involving fractions and decimals to 2 decimal places.

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Measurement

29. I can compare different measures, including money in £ and p.
30. I can estimate different measures, including money in £ and p.
31. I can calculate different measures. Including money in £ and p.
32. I can read, write and convert time between analogue and digital 12 hour clocks.
33. I can read, write and convert time between analogue and digital 24 hour clocks.
34. I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
35. I can convert between different units of measurements
36. I can measure and calculate the perimeter of a rectilinear figure in cm and m.
37. I can find the area of rectilinear shapes by counting squares.
38. I can calculate different measures

Autumn = pink, Spring = yellow, Summer = green

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Geometry – properties of shapes

39. I can compare and classify geometric shapes, including quadrilateral and triangles based on their properties and sizes.
40. I can identify lines of symmetry in 2D shapes presented in different orientations.
41. I can complete a simple symmetric figure with respect to a specific line of symmetry,
42. I can identify acute and obtuse angles and compare and order angles up to two right angles by size.

Geometry – position and direction

43. I can describe movements between positions as translations of a given unit to the left/right and up/down.
44. I can describe positions on a 2D grid as coordinates in the first quadrant.
45. I can plot specified points and draw sides to complete a given polygon.

Statistics

46. I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
47. I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.