Maths - Year 4

Measurement 2: Calculating with money amounts
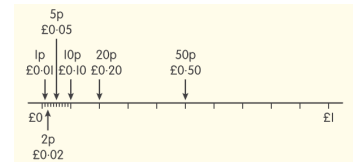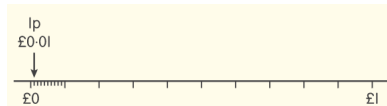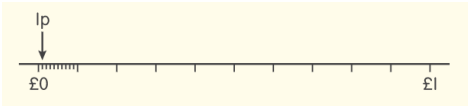
Key Vocabulary

Decimal point	a full point or dot placed after the figure representing units in a decimal fraction.
Decimal place	The position of a digit to the right of a decimal point.
Equivalence	Different ways of representing the same value e.g. 6 + 2 = 8.
Range	The difference between the lowest and highest values.
Difference	The result of subtracting one number from another, e.g. the difference between 10 and 7 is 3, 10 - 7 = 3.
Interval	The distance between two points or the numbers between two values, e.g. the sequence 2, 4, 6 has intervals of 2.
Frequency	The number of times an event or value occurs.
Rounding	Increasing or decreasing a number or amount to make it closer to (usually) a multiple of ten, or a whole measuring unit, e.g.

Mathematical Skills

- Use decimal notation when writing money amounts.
- Convert between money amounts in pounds and pence, e.g. £3.06 and 306p.
- Identify the significant digits when ordering money amounts.
- Partition money amounts.
- Round money amounts to the nearest pound.
- Use appropriate strategies for calculating with money amounts.
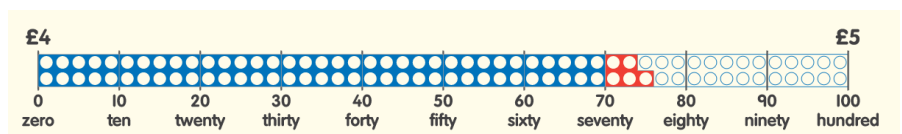- Use estimation to check calculations.

Mathematical Methods
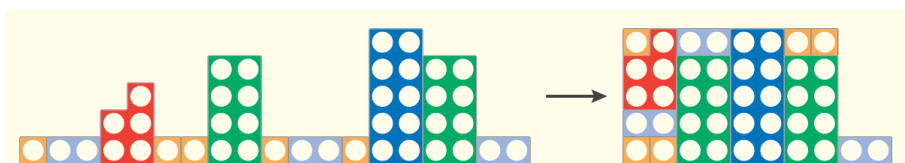
- Using decimal notation for money amounts.

- Linking pounds, pence and place value and rounding to the nearest pound.

- Multiplying and adding money amounts e.g. working out if William can raise £50 from his sponsored swimming event.

Sponsor	Amount per length	Single amount	Payable
Arthur Sixpence	10p	–	£1·00
Boris Morris	15p	–	£1·50
Ignacio Redondo	–	£5·00	£5·00
Dr Hoom	12p	–	£1·20
Felix Marsden	10p	–	£1·00
Flavia Fuller	–	£7·50	£7·50
George Dragon	8p	–	£0·80
Henry Tudor	15p	–	£1·50
India Quebec	5p	–	£0·50
Julie Verne	–	£10·00	£10·00
Ken Kenton	–	£8·00	£8·00
Lucy Loofer	20p	–	£2·00

- Multiplying and adding money amounts to complete a table.

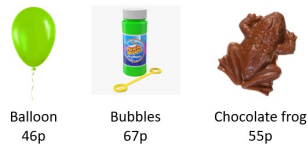| Sponsor	Amount per lap	Single amount	Payable
Jack		£1	£1
Amy	5p		40p
Mojgan	15p		£1·20
Benjamin		£1·50	£1·50
Lily		90p	90p
Raj	25p		£2

- Ordering money amounts e.g. £23.64 is greater than £23.48 (£23.64 has more tenths or tens of pennies)

Can you..?

- Nora has a £2 and a £1 coin to buy three items altogether. Can you predict, without calculating, three items she can buy?

£1·75
60p
95p
£1·30
£1·10

- Tom makes up 10 party bags and puts one item into each bag. Use rounding to estimate how much this will cost in total.

Balloon 46p   Bubbles 67p   Chocolate frog 55p

- Calculate the amount raised if you raise £1.25 per km for 7km.