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During key stage 2 pupils use the number system more confidently. They move from counting reliably to calculating fluently with all four number operations. They always try to tackle a problem with mental methods before using any other approach. Pupils explore features of shape and space and develop their measuring skills in a range of contexts. They discuss and present their methods and reasoning using a wider range of mathematical language, diagrams and charts.

Term 1
umber to 10,000
Number: Place Value ( 4 Weeks)
Calculation - Addition and Subtraction ( 3 Weeks) Measurement - Area ( 1 Week) Number: Multiplication and Division ( 3 Weeks)

Term 2
Number to 10,000
Number: Multiplication and Division ( 3 Weeks Measurement -Length and Perimeter ( 2 Weeks) Number: Fractions ( 4 Weeks Number: Decimals ( 3 Weeks)

Numbers up to 10,000
Number: Decimals( 2 Weeks)
Measurement: Money ( 2 Weeks)
Measurement: Time ( 2 Weeks
Geometry: Shape ( 2 Weeks)
Statistics ( 1 Week) Geometry : Co-Ordinates Position and Direction ( 2 Weeks)
Concrete and Pictori


| Identify, represent and estimate numbers using different representations. | Identify, represent and estimate numbers using different representations. |
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Read and write fractions in digits and words. $\quad$ Compare numbers with the same number of decimal places up to 2dp.

| Count in $10 \mathrm{~s}, 100 \mathrm{~s}$ and 1000 s forwards and back. | Count in $6 \mathrm{~s}, 7 \mathrm{~s}$ and 9 s forwards and back. |
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| Count in 25 s forwards and back. | Count forwards in multiples of 75 |
| Count up and down in known fractions beyond 1. |  | Add and subtract 3 -digit numbers using column method.

Estimate and use inverse operations to check.
Add and subtract 4 -digit numbers using column method.
timate and use inverse operations to cherk
Multiplication and Division - solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which n objects are connected to m objects.

| TTRS to be monitored throughout the year. | Recognise and use factor pairs and commutativity in mental calculations. |
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|  | 4MD-1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients): understand this as equivalent to making a number 10 or 100 times the size. |
| 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. | 4NF-3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100) |
| 4MD-2 Manipulate multiplication and division equations, and understand and apply the commutative property of | 4NF- 1 Recall X and $\div$ facts for all tables up to $12 \times 12$ and recognise multiples up to $12 \times 12$. |
|  | 4MD-3 Understand and apply the distributive property of multiplication |
|  | Multiply 2 -digit and 3 -digit numbers by a 1 -digit number using formal written layout. |
|  | 4NF-2 Divide 2 -digit and 3-digit numbers by a 1-digit number using formal written layout. |



