

**Year
4**

Maths Overview



**St George's Beneficial
C of E Primary School**

Week →

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4

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10

11

12

13

14

Autumn

Place Value

Addition &
Subtraction

Multiplication
& Division (A)

Statistics

Shape

Spring

Multiplication &
Division (B)

Length &
Perimeter

Area

Fractions

Summer

Decimals (A & B)

Money

Position &
Direction

Time

Unit

Small Steps

Place Value

NOTE: Teach Roman numerals when studying the Romans during History.

1. Represent numbers to 1000
2. Partition numbers to 1000
3. Number line to 1000
4. **Thousands**
- ~~5. Represent numbers to 10,000~~
- ~~6. Partition numbers to 10,000~~
7. Flexible partitioning of numbers to 10,000
8. Find 1, 10, 100, 1000 more or less
9. Number line to 10,000
- ~~10. Estimate on a number line to 10,000~~
- ~~11. Compare numbers to 10,000~~
- ~~12. Order numbers to 10,000~~
- ~~13. Roman numerals~~
14. Round to the nearest 10
15. Round to the nearest 100
16. Round to the nearest 1000
17. Round to the nearest 10, 100 or 1000

Addition & Subtraction

1. Add and subtract 1s, 10s, 100s and 1000s
2. Add up to two 4-digit numbers – no exchange
3. Add two 4-digit numbers – one exchange
4. Add two 4-digit numbers – more than one exchange
5. Subtract two 4-digit numbers – no exchange
6. Subtract two 4-digit numbers – one exchange
7. Subtract two 4-digit numbers – more than one exchange
8. Efficient subtraction
9. Estimate answers
10. Checking strategies

Multiplication & Division (A)

NOTE: Times tables practice should take place during Warm-ups and Fluency sessions.

- ~~1. Multiples of 3~~
- ~~2. Multiply and divide by 6~~
- ~~3. 6 times table and division facts~~
- ~~4. Multiply and divide by 9~~
- ~~5. 9 times table and division facts~~
6. The 3, 6 and 9 times-tables
- ~~7. Multiply and divide by 7~~
- ~~8. 7 times table and division facts~~
- ~~9. 11 times table and division facts~~
- ~~10. 12 times table and division facts~~
11. Multiply by 1 and 0
12. Divide a number by 1 and itself
13. Multiply three numbers

Statistics

1. Interpret charts
2. Comparison, sum and difference
3. Interpret line graphs
4. Draw line graphs

Shape

- ~~1. Understand angles as turns~~
- ~~2. Identify angles~~
- ~~3. Compare and order angles~~
- 4. Triangles**
- 5. Quadrilaterals**
- 6. Polygons**
- 7. Lines of symmetry**
- 8. Complete a symmetric figure**

Multiplication & Division (B)

1. Factor pairs
2. Use factor pairs
3. Multiply by 10
4. Multiply by 100
5. Divide by 10
6. Divide by 100
7. Related facts – multiplication and division
8. Informal written methods for multiplication
9. Multiply a 2-digit number by a 1-digit number
10. Multiply a 3-digit number by a 1-digit number
- ~~11. Divide a 2-digit number by a 1-digit number (1)~~
- ~~12. Divide a 2-digit number by a 1-digit number (2)~~
- ~~13. Divide a 3-digit number by a 1-digit number~~
- ~~14. Correspondence problems~~
15. Efficient multiplication

Length & Perimeter

1. Measure in kilometres and metres
- ~~2. Equivalent lengths (kilometres and metres)~~
3. Perimeter on a grid
4. Perimeter of a rectangle
5. Perimeter of rectilinear shapes
6. Find missing lengths in rectilinear shapes
7. Calculate perimeter of rectilinear shapes
- 8. Perimeter of regular polygons**
- 9. Perimeter of polygons**

Area

1. What is area?
2. Count squares
3. Makes shapes
4. Compare areas

Fractions

NOTE: When covering steps 11-15, use same denominators (no equivalence).

1. Understand the whole
2. Count beyond 1
3. Partition a mixed number
- 4. Number lines with mixed numbers**
- 5. Compare and order mixed numbers**
6. Understand improper fractions
- 7. Convert mixed numbers to improper fractions**
- 8. Convert improper fractions to mixed numbers**
- ~~9. Equivalent fractions on a number line~~
- ~~10. Equivalent fraction families~~
11. Add two or more fractions
- 12. Add fractions and mixed numbers**
13. Subtract two fractions
- 14. Subtract from whole amounts**
- 15. Subtract from mixed numbers**

Decimals (A & B)

A.

1. Tenths as fractions
2. Tenths as decimals
3. Tenths on a place value chart
4. Tenths on a number line
5. Divide a 1-digit number by 10
6. Divide a 2-digit number by 10
7. Hundredths as fractions
8. Hundredths as decimals
9. Hundredths on a place value chart
- 10. Divide a 1- or 2-digit number by 100**

B.

1. Make a whole with tenths
2. Make a whole with hundredths
3. Partition decimals
4. Flexibly partition decimals
5. Compare decimals
6. Order decimals
7. Round to the nearest whole number
8. Halves and quarters as decimals

Money	1. Write money using decimals 2. Convert between pounds and pence 3. Compare amounts of money 4. Estimate with money 5. Calculate with money 6. Solve problems with money
Position & Direction	1. Describe position using coordinates 2. Plot coordinates 3. Draw 2-D shapes on a grid 4. Translate on a grid 5. Describe translation on a grid
Time	1. Years, months, weeks and days 2. Hours, minutes and seconds 3. Convert between analogue and digital times 4. Convert to the 24-hour clock 5. Convert from the 24-hour clock