

# Westfield Primary School

## Maths Non-Negotiables:

### Reception



## Counting and Ordering

- ## Calculations

## Calculations

- ## Measure

## Measure

- ## Shape

## Shape

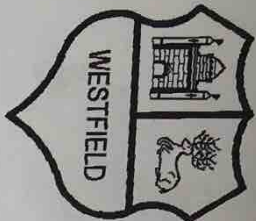
- ## Numbers and Place value

## Numbers and Place value

- My next steps:**

**My next steps:**

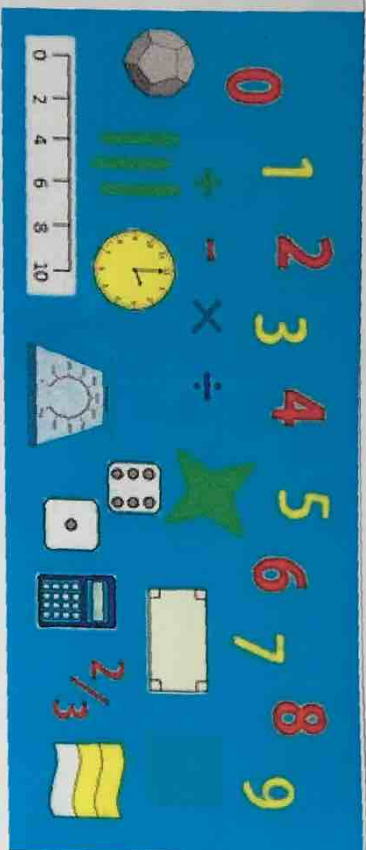




# Westfield Primary School

## Maths Non-Negotiables:

### Year 1



### Counting and Ordering

- ☐ I can count forwards to 100.
- ☐ I can count forwards and backwards from any number, (to and past 100).

### Numbers and Place value

- ☐ I can form my digits correctly.
- ☐ I can read and write all numbers to 20 in words.
- ☐ I can read and write numbers up to 100 in digits.
- ☐ I can say 1 more than a number up to 100.
- ☐ I can say 1 less than a number up to 100.

- ☐ I can spot half  $\frac{1}{2}$  and quarter  $\frac{1}{4}$  of objects, shapes or numbers.

### Fractions

### Calculating

- ☐ I can **add** and **subtract** 1 digit and 2 digit numbers up to 20.
- ☐ I can solve one step **multiplication** and **division** using objects, pictures and arrays.

### Bonds and Facts

- ☐ I know my number bonds to 10 by heart.
- ☐ I can use bonds and subtraction facts up to 20.

### Tables and Multiples

- ☐ I can count in 1's
- ☐ I can count in 2's
- ☐ I can count in 5's
- ☐ I can count in 10's

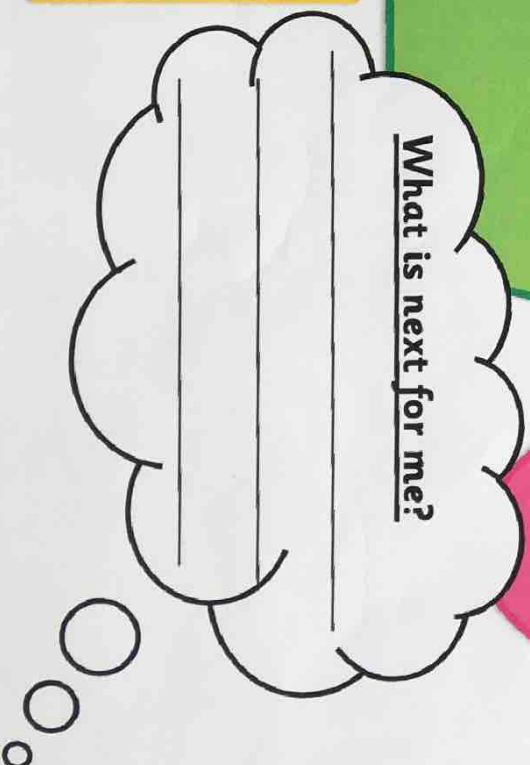
### Shape

- ☐ I can recognise and name common **2D** shapes
- ☐ I can recognise and name common **3D** shapes.

### Measure

- ☐ I can put events in order.
- ☐ I can use the words: **day, week, month, and year**
- ☐ I can tell the time using **o'clock** and **half past**.

What is next for me?







# Westfield Primary School

## Maths Non-Negotiables:

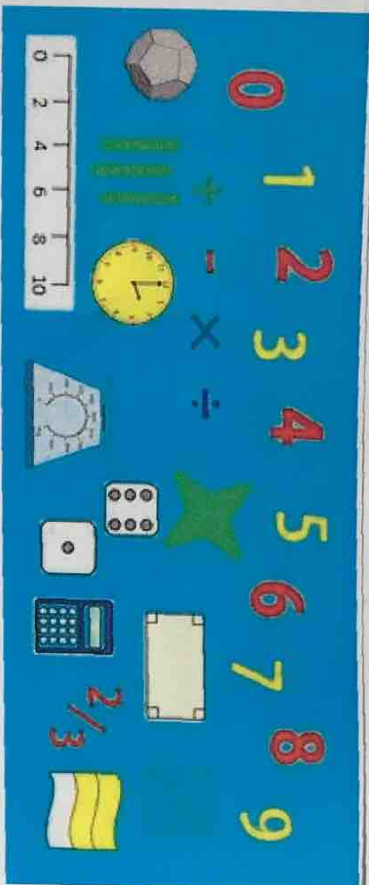
### Year 2

#### Tables and Multiples

- ☐ I can recall my 2 times table.
- ☐ I can recall my 5 times table.
- ☐ I can recall my 10 times table.
- ☐ I can count in 3's from a given number

#### Fractions

- ☐ I can recognise, find, name and write  $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$ ,  $\frac{3}{4}$ .
- ☐ I can recognise simple equivalent fractions.



#### Counting and Ordering

- ☐ I can order numbers up to 100.
- ☐ I can use symbols = to compare numbers.

#### Numbers and Place value and Rounding

- ☐ I can read and write all numbers up to 100 in digits and in words.
- ☐ I can say 10 more or less than any number up to 100.
- ☐ I can recognise the place value of any 2 digit number.

#### Time

- ☐ I can tell the time to **quarter past** and **quarter to**.
- ☐ I can tell the time to **5 minutes**.

#### Calculations

- ☐ I can add and subtract 2 digit numbers and ones.  
 **$35+8=$ ,  $45-9$**
- ☐ I can add and subtract 2 digit numbers and tens.  
 **$36+20=$ ,  $89-30=$**
- ☐ I can add and subtract 2 digit numbers.  
 **$35+26=$ ,  $64-21=$**
- ☐ I can add and subtract three 1 digit numbers.  
 **$16+4+2=$ ,  $18+3+3=$ ,  $19-3-2=$**
- ☐ I can recognise and use inverse.
- ☐ I can work out and write  $\times$  and  $\div$  calculations using times tables.

#### Bonds and Facts

- ☐ I can recall and use  $\pm$  facts up to 20.
- ☐ I can work out and use related facts up to 100.

#### Shape

- ☐ I can describe the properties of 2D and 3D shapes. **sides, edges, corners, vertices, face,**

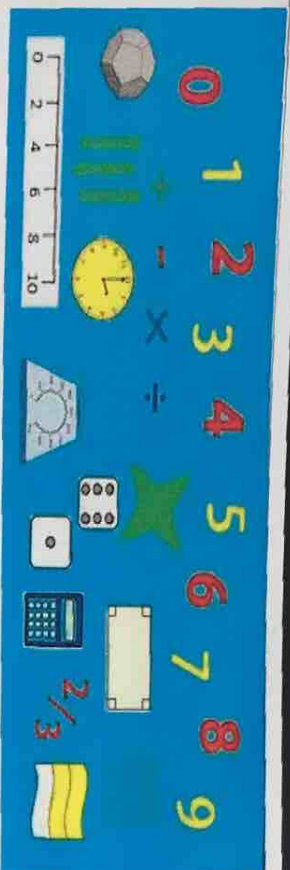
What is next for me?



# Westfield Primary School

## Maths Non-Negotiables:

Year 3



### Counting and Ordering

- ☐ I can order numbers up to 1000.
- ☐ I can use symbols = to compare numbers.

### Calculations

- ☐ I can add and subtract 3 digit numbers and ones.  
 $123+9=$ ,  $118-6=$
- ☐ I can add and subtract 3 digit numbers and tens.  
 $123+10$ ,  $135+20=$ ,  $145-10$ ,  $156-20=$
- ☐ I can add and subtract 3 digit numbers and hundreds.  
 $145+100=$   $137+300=$ ,  $254-100=$ ,  $359-200=$
- ☐ I can add and subtract with up to 3 digits with a written method.
- ☐ I can multiply 2 digit by 1 digit.  $14 \times 5=$
- ☐ I can use the inverse to check.

### Tables and Multiples

- ☐ I can count from 0 in multiples of 4, 8, 50 or 100.
- ☐ I can recall and use multiplication and division facts for the 3X table.
- ☐ I can recall and use multiplication and division facts for the 4X table.
- ☐ I can recall and use multiplication and division facts for the 8X table.

### Time

- ☐ I can tell the time using 12 and 24 hour clocks.
- ☐ I can tell time to the nearest minute.

### Shape

- ☐ I can draw and describe 2D shapes.
- ☐ I can describe a shape as **regular** or **irregular**.
- ☐ I can describe a shape's **symmetry**; **acute/right /obtuse angles**; **parallel/perpendicular lines**.
- ☐ I can describe 3D shapes in different orientations.

### Fractions and Percentages

- ☐ I can count up and down in tenths.
- ☐ I can compare and order fractions with the same denominator.
- ☐ I can +/- fractions with same denominator with whole.
- ☐ I know pairs of fractions that total 1.

### Numbers and Place value

- ☐ I can read and write numbers up to 1000 in digits and words.
- ☐ I can find 10/100 more or less than any given number.
- ☐ I can recognise the place value of any 3 digit number.

What is next for me?





# Westfield Primary School

## Maths Non-Negotiables:

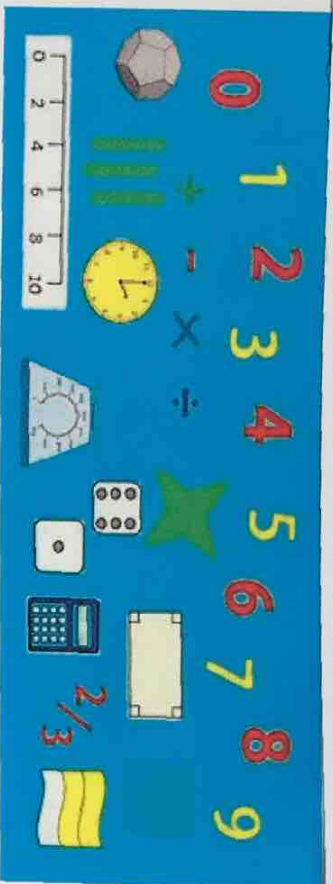
Year 4

### Place value and Rounding

- ☐ I can recognise the place value of any 4 digit number.
- ☐ I can round any number to the nearest 10, 100 or 1000.
- ☐ I can round decimals with 1 dp to the nearest whole number.

### Tables and Multiples

- ☐ I can count in multiples of 6, 7, 9, 25 and 1000.
- ☐ I can recall and use multiplication and division facts all tables up to  $12 \times 12$ .



### Counting and Ordering

- ☐ I can count backwards through zero to include negative numbers.
- ☐ I can compare and order numbers beyond 1000.
- ☐ I can compare and order numbers with 2 decimal places.
- ☐ I can read Roman numerals to 100.
- ☐ I can find 1000 more /less than any given number.

### Fractions and Percentage

- ☐ I can count up / down in hundredths.
- ☐ I can write equivalent fractions.
- ☐ I can + / - fractions with same denominator.

### Calculations

- ☐ I can add and subtract numbers up to 4 digits using the column/a written method.
- $321+124=$ ,  $368+98=$ ,  $653-211=$ ,  $571-101=$
- ☐ I can add or subtract numbers with up to 1 dp.
- $4.5+1.1=$ ,  $3.5+2.2$ ,  $12.6-1.4=$ ,  $4.5-1.2=$
- ☐ I can multiply 2 digit by 1 digit.
- $13 \times 6=$ ,  $21 \times 4=$
- ☐ I can multiply 3 digit by 1 digit.
- $123 \times 2=$ ,  $124 \times 3=$
- ☐ I can divide 3 digit by 1 digit.
- $120 \div 2=$ ,  $260 \div 4=$ ,  $124 \div 2=$

### Time

- ☐ I can read, write and convert time between analogue and digital 12 and 24 hour clocks.

What is next for me?

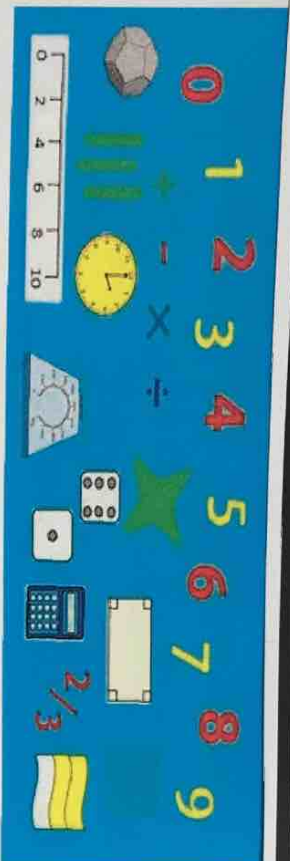




# Westfield Primary School

## Maths Non-Negotiables:

### Year 5



#### Counting and Ordering

- ☐ I can count forward and backwards through zero with positive and negative numbers.
- ☐ I can count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000.
- ☐ I can compare and order numbers with 3 decimal places.
- ☐ I can read Roman numerals up to 1000.

#### Fractions and Percentage

- ☐ I can count up / down in thousands.
- ☐ I can recognise mixed numbers and fractions and convert from one to another.
- ☐ I can multiply proper fractions by whole numbers.

#### Time

- ☐ I can solve time problems using timetables and converting between different units of time.

#### Bonds and Facts

- ☐ I can recall prime numbers up to 19.

#### Place value and Rounding

- ☐ I can recognise the place value of any number up to 1,000,000.
- ☐ I can round any number up to 1,000,000 to the nearest 10, 100, 1000, 10000 or 100,000.
- ☐ I can round decimals with 2 dp to the nearest whole number and 1 dp.

#### Tables and Multiples

- ☐ I can identify all multiples and factors, including finding all factor pairs.
- ☐ I can use known tables to derive other number facts.

#### Calculations

- ☐ I can add and subtract numbers with more than 4 digits using efficient written method (column).
- $4324+1345=$ ,  $23,029+4521=$ ,  $4501-2143=$
- ☐ I can add or subtract numbers with up to 2 dp.
- $12.34+9.3=$ ,  $12.34+12.4=$ ,  $12.5-1.55=$
- ☐ I can multiply 4 digit numbers by 1 or 2 digits.
- $1235 \times 5=$ ,  $1234 \times 4=$ ,  $1321 \times 34=$ ,  $1234 \times 120=$
- ☐ I can divide 4 digit numbers by 1 digit.
- $1400 \div 2=$ ,  $2400 \div 6=$ ,  $1350 \div 4=$ ,  $1345 \div 3=$
- ☐ I can multiply and divide whole numbers and decimals by 10, 100 or 1000
- $134.5 \times 10=$ ,  $1345 \times 10=$ ,  $134 \times 100=$ ,  $1.5 \times 10=$ ,  $2.45 \times 100=$ ,  $14.5 \times 1000=$

What is next for me?



# Westfield Primary School

## Maths Non-Negotiables:

### Year 6

As well as all of the Year 5 end of year non-negotiables

- ☐ I can compare and order numbers up to 10,000,000.

#### Counting and Ordering

- ☐ I can round any whole number to a required degree of accuracy.

#### Numbers and Place value and Rounding

- ☐ I can identify common factors
- ☐ I can identify common multiples
- ☐ I can identify common prime numbers.

#### Tables and Multiples

- ☐ I can multiply 4 digit numbers by 2 digit numbers.  
 $1345 \times 23 =$ ,  $2456 \times 12 =$
- ☐ I can divide 4 digit numbers by 2 digit numbers.  
 $1345 \div 5 =$ ,  $1450 \div 2 =$

#### Calculations

- ☐ I can add and subtract fractions with different denominators and mixed numbers.
- ☐ I can multiply simple pairs of proper fractions, writing the answer in the simplest form.
- ☐ I can divide proper fractions by whole numbers.
- ☐ I can calculate the percentage (%) of a whole number.

#### Fractions and Percentage

What is next for me?