ALLERTON HIGH SCHOOL
Business and Enterprise Specialist School

# Maths Assessment Through the Year

# 7

**Name:**

**Group:**

**Teacher:**

**Target level:**

# Autumn First Half Term (HT1)

## Topics covered this half-term:

- Integers, powers, roots
- Sequences
- Angles, shapes and constructions
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition/subtraction decimals | | | |
| A2 | Powers, roots and negatives | | | |
| A3 | Simplifying expressions | | | |
| A4 | Multiplication/division | | | |
| A5 | Four rules with fractions | | | |
| A6 | Percentage of an amount | | | |
| A7 | Area and perimeter | | | |
| B1 | Substitution | | | |
| B2 | Alternate and corresponding angles | | | |
| B3 | Nth term | | | |
| B4 | Using prime numbers | | | |
| B5 | Properties of triangles | | | |
| B6 | Squaring and square rooting | | | |

**My level:**

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Autumn Second Half Term (HT2)

## Topics covered this half-term:

- Probability
- Fractions, decimals and percentages
- Expressions, equations and formulae
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition/subtraction decimals | | | |
| A2 | Powers, roots and negatives | | | |
| A3 | Simplifying expressions | | | |
| A4 | Multiplication/division | | | |
| A5 | Four rules with fractions | | | |
| A6 | Percentage of amount/increase | | | |
| A7 | Area and perimeter | | | |
| B1 | Percentage of an amount | | | |
| B2 | Converting F,D and P | | | |
| B3 | Expanding and simplifying expressions | | | |
| B4 | Probability | | | |
| B5 | Expanding and simplifying expressions | | | |
| B6 | Probability | | | |
| B7 | Writing an expression | | | |

**My level:** _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring First Half Term (HT3)

## Topics covered this half-term:

- Symmetry Homework Project
- Area, volume, 3D solids
- Functions, mappings and graphs
- Half-term Assessment

## Test self-assessment

| Q | Skill |  | | |
|---|---|---|---|---|
| A1 | Addition/subtraction decimals | | | |
| A2 | Powers, roots and negatives | | | |
| A3 | Simplifying expressions | | | |
| A4 | Multiplication/division | | | |
| A5 | Four rules with fractions | | | |
| A6 | Percentage increase/decrease | | | |
| A7 | Area | | | |
| B1 | Area of trapezium | | | |
| B2 | Volume of prism | | | |
| B3 | Metric conversion | | | |
| B4 | Metric imperial conversion | | | |
| B5 | Function machines | | | |
| B6 | Straight line graphs | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring Second Half Term (HT4)

## Topics covered this half-term:

- Place value, rounding, calculations
- Congruence and tansformations
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition/subtraction decimals | | | |
| A2 | Powers, roots and negatives | | | |
| A3 | Simplifying expressions | | | |
| A4 | Multiplication/division | | | |
| A5 | Four rules with fractions | | | |
| A6 | Percentage increase/decrease | | | |
| A7 | Area and perimeter | | | |
| B1 | Calculator % problems | | | |
| B2 | Fraction/decimal/ percent | | | |
| B3 | Expand and simplify | | | |
| B4 | Probability | | | |
| B5 | Expressions in shapes | | | |

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer First Half Term (HT5)

## Topics covered this half-term:

- Surveys and data
- Ratio, proportion and real-life graphs
- End of Year Exam

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer Second Half Term (HT6)

## Topics covered this half-term:

- Formulae, expressions and graphs
- Scale drawing, loci and bearings
- Collecting and analysing data
- Half-term Assessment

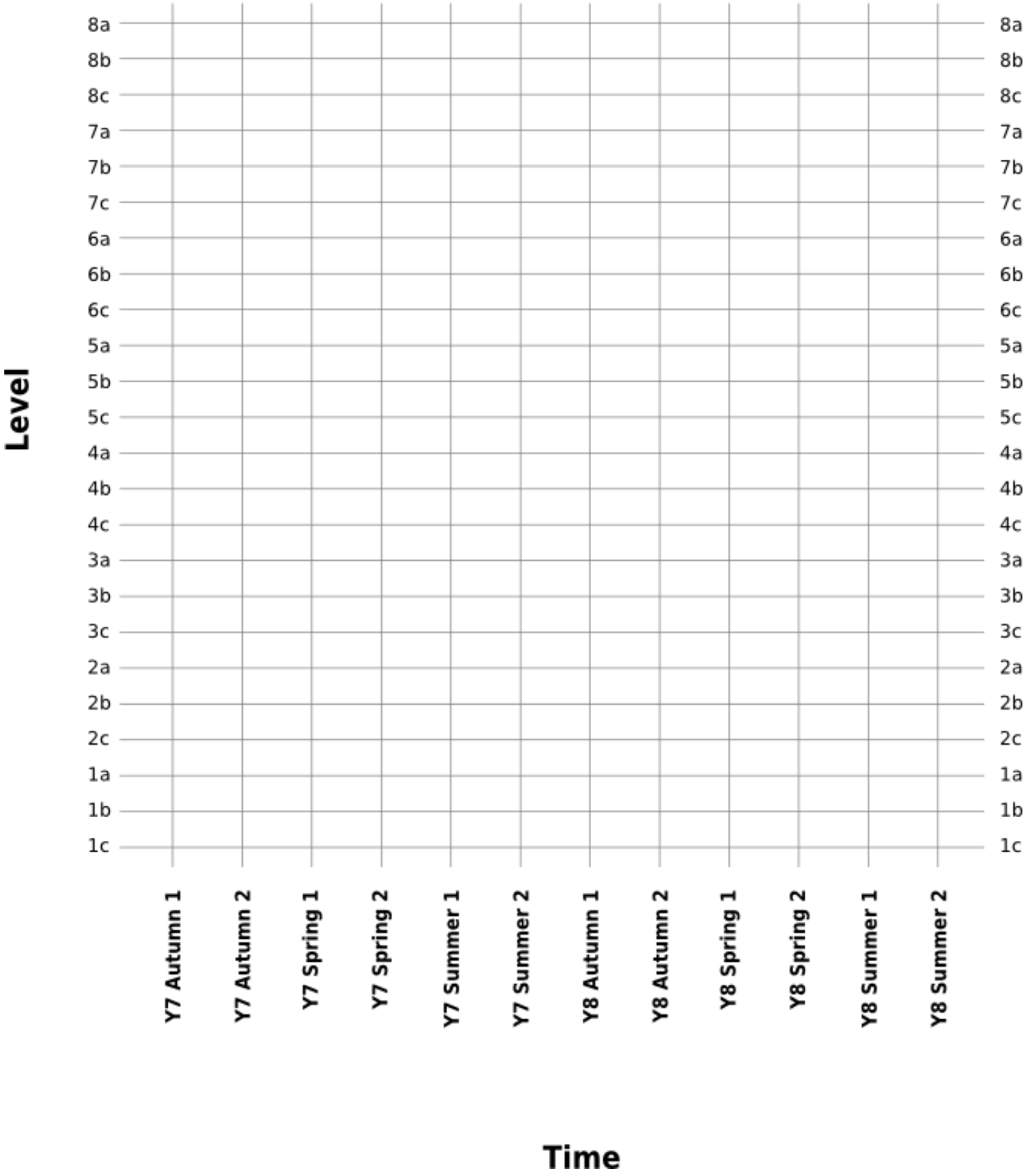
## Test self-assessment

| Q | Skill |  | | |
|---|---|---|---|---|
| A1 | Addition/subtraction decimals | | | |
| A2 | Powers, roots and negatives | | | |
| A3 | Simplifying expressions | | | |
| A4 | Multiplication/division | | | |
| A5 | Four rules with fractions | | | |
| A6 | Percentage increase/decrease | | | |
| A7 | Area | | | |
| B1 | Averages | | | |
| B2 | Questionnaire and data collection | | | |
| B3 | Draw a pie chart | | | |
| B4 | Sharing in a given ratio | | | |
| B5 | Speed distance time graphs | | | |
| B6 | Bearings | | | |
| B7 | Estimating mean | | | |

**My level:** _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Progress through the year



ALLERTON HIGH SCHOOL
Business and Enterprise Specialist School

# Maths Assessment Through the Year

# 7

**Name:**

**Group:**

**Teacher:**

**Target level:**

# Autumn First Half Term (HT1)

## Topics covered this half-term:

- Integers, powers, roots
- Sequences
- Angles, shapes and constructions
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Adding & subtracting decimals | | | |
| A2(A) | Multiplying negatives | | | |
| A2(B) | Powers and roots | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying and dividing | | | |
| A5 | Adding & subtracting fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Fractions of amounts | | | |
| A8 | Area & perimeter of a rectangle | | | |
| B1 | Generating a sequence from nth term | | | |
| B2 | Prime factorisation | | | |
| B3 | Angle calculations with reasons | | | |
| B4 | Adding/subtracting +/- numbers | | | |
| B5 | Substitution | | | |
| B6 | Multiplying with +/- numbers | | | |
| B7 | Using negative numbers | | | |
| B8 | Alternate and corresponding angles | | | |

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Autumn Second Half Term (HT2)

## Topics covered this half-term:

- Probability
- Fractions, decimals and percentages
- Expressions, equations and formulae
- Half-term Assessment

## Test self-assessment

| Q | Skill |  | | |
|---|---|---|---|---|
| A1 | Adding & subtracting decimals | | | |
| A2(A) | Multiplying negatives | | | |
| A2(B) | Powers and roots | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying and dividing | | | |
| A5 | Adding & subtracting fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Fractions of amounts | | | |
| A8 | Area & perimeter of a triangle | | | |
| B1 | Percentage of an amount | | | |
| B2 | Converting F,D and P | | | |
| B3 | Expanding and simplifying expressions | | | |
| B4 | Probability | | | |
| B5 | Expanding and simplifying expressions | | | |
| B6 | Probability | | | |
| B7 | Writing an expression | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring First Half Term (HT3)

## Topics covered this half-term:

- Symmetry Homework Project
- Area, volume, 3D solids
- Functions, mappings and graphs
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Adding & subtracting decimals | | | |
| A2(A) | Multiplying negatives | | | |
| A2(B) | Powers and roots | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying and dividing | | | |
| A5 | Calculating with fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Prime factors | | | |
| A8 | Area and perimeter of a rectangle | | | |
| B1 | Area of a trapezium | | | |
| B2 | Problem solving involving area | | | |
| B3 | Volume of a prism | | | |
| B4 | Surface area of 3D shapes | | | |
| B5 | Plans and elevations | | | |
| B6 | Metric/Imperial conversions | | | |
| B7 | Function machines | | | |
| B8 | Straight line graphs | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring Second Half Term (HT4)

## Topics covered this half-term:

- Place value, rounding, calculations
- Congruence and tansformations
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Adding & subtracting decimals | | | |
| A2(A) | Multiplying negatives | | | |
| A2(B) | Powers and roots | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying and dividing | | | |
| A5 | Calculating with fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Metric conversion | | | |
| A8 | Area of a triangle | | | |
| B1 | Functional problems involving division/multiplication | | | |
| B2 | Calculating the mid-point of two calculations | | | |
| B3 | Recognise congruent shapes | | | |
| B4 | Transformations | | | |
| B5 | Rounding | | | |
| B6 | Powers of 10 | | | |
| B7 | Multiplying decimals | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer First Half Term (HT5)

## Topics covered this half-term:

- Surveys and data
- Ratio, proportion and real-life graphs
- End of Year Exam

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer Second Half Term (HT6)

## Topics covered this half-term:

- Formulae, expressions and graphs
- Scale drawing, loci and bearings
- Collecting and analysing data
- Half-term Assessment

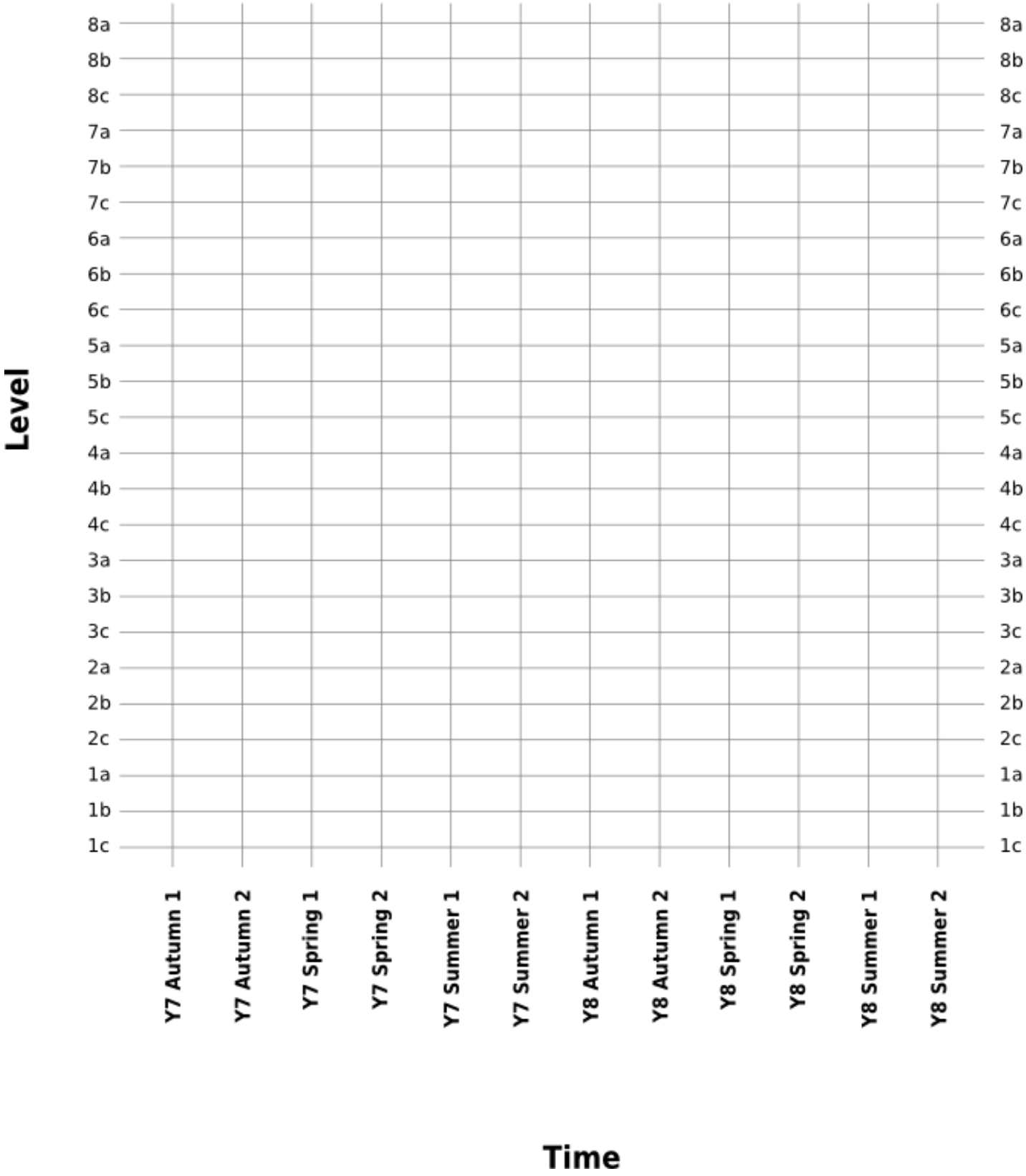
## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Multiplying decimals | | | |
| A2(A) | Multiplying negatives | | | |
| A2(B) | Powers and roots | | | |
| A3 | Simplifying algebra | | | |
| A4 | Calculating with fractions | | | |
| A5 | Percentage increase | | | |
| A6 | Metric conversion | | | |
| A7 | Perimeter of a compound shape | | | |
| B1 | Averages | | | |
| B2 | Questionnaires | | | |
| B3 | Drawing pie charts | | | |
| B4 | Sharing in a given ratio | | | |
| B5 | Speed distance time graphs | | | |
| B6 | Constructing triangles | | | |
| B7 | Bearings | | | |
| B8 | Averages from a frequency table | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Progress through the year



ALLERTON HIGH SCHOOL
Business and Enterprise Specialist School

# Maths Assessment Through the Year

# 7

**Name:**

**Group:**

**Teacher:**

**Target level:**

# Autumn First Half Term (HT1)

## Topics covered this half-term:

- Sequences and functions
- The Number system: integers and decimals
- Length, area, perimeter
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition and subtraction | | | |
| A2 | Multiplying and dividing | | | |
| A3 | Doubling and halving | | | |
| A4 | Fractions of amounts | | | |
| A5 | Time calculations | | | |
| A6 | Substitution | | | |
| A7 | Area and perimeter | | | |
| A8 | Naming shapes | | | |
| B1 | Missing terms in a sequence (addition) | | | |
| B2 | Missing terms in a sequence (multiplication) | | | |
| B3 | Substitution | | | |
| B4 | Rounding to 1dp | | | |
| B5 | Multiples | | | |
| B6 | Powers and roots | | | |
| B7 | Negative numbers | | | |
| B8 | Perimeter and area | | | |
| B9 | Comparing perimeter | | | |
| B10 | Area compound shape | | | |
| B11 | Factors | | | |
| B12 | Factors | | | |
| B13 | Prime numbers | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Autumn Second Half Term (HT2)

## Topics covered this half-term:

- Multi-step calculations, fractions and percentages
- Processing and representing Data, probability
- Formulae, functions and equations
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition and subtraction | | | |
| A2 | Multiplying and dividing | | | |
| A3 | Doubling and halving | | | |
| A4 | Fractions of amounts | | | |
| A5 | Time calculations | | | |
| A6 | Substitution | | | |
| A7 | Area and perimeter | | | |
| A8 | Naming shapes | | | |
| B1 | Order of operations (BIDMAS) | | | |
| B2 | Square roots | | | |
| B3 | Fractions | | | |
| B4 | Estimating | | | |
| B5 | Shaded fractions | | | |
| B6 | Equivalent fractions | | | |
| B7 | Percentages | | | |
| B8 | Averages | | | |
| B9 | Bar charts and pictograms | | | |
| B10 | Probability | | | |
| B11 | Solving two step equations | | | |
| B12 | Substitution | | | |
| B13 | Simplifying expressions | | | |
| B14 | Writing an expression | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring First Half Term (HT3)

## Topics covered this half-term:

- Shapes, angles, co-ordinates
- Surveys and experiments
- Symmetry Homework Project
- Mental and written calculations
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition and subtraction | | | |
| A2 | Multiplying and dividing | | | |
| A3 | Doubling and halving | | | |
| A4 | Fractions of amounts | | | |
| A5 | Time calculations | | | |
| A6 | Substitution | | | |
| A7 | Area and perimeter | | | |
| A8 | Naming shapes | | | |
| B1 | Drawing lines of symmetry | | | |
| B2 | Recognising angle types | | | |
| B3 | Calculating missing angles | | | |
| B4 | Co-ordinates | | | |
| B5 | Constructing two-way tables | | | |
| B6 | Questionnaires | | | |
| B7 | Probability | | | |
| B8 | Finding missing values | | | |
| B9 | Long multiplication | | | |
| B10 | Using calculations | | | |
| B11 | Calculating with decimals | | | |
| B12 | Simplifying expressions | | | |
| B13 | Shape problems involving algebra | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring Second Half Term (HT4)

## Topics covered this half-term:

- Expressions, equations, formulae
- Measures, triangles and 3D solids
- Fractions, ratio and proportion
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition and subtraction | | | |
| A2 | Multiplying and dividing | | | |
| A3 | Doubling and halving | | | |
| A4 | Fractions of amounts | | | |
| A5 | Time calculations | | | |
| A6 | Substitution | | | |
| A7 | Area and perimeter | | | |
| A8 | Naming shapes | | | |
| B1 | Simplifying ratio | | | |
| B2 | Sharing in a given ratio | | | |
| B3 | Comparing percentages of amounts | | | |
| B4 | Calculating percentages of amounts | | | |
| B5 | Properties of 3D shapes | | | |
| B6 | Recognising appropriate metric measurements | | | |
| B7 | Converting between metric measurements | | | |
| B8 | Solving equations | | | |
| B9 | Expand and simplify expressions | | | |
| B10 | Shape problems involving algebra | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer First Half Term (HT5)

## Topics covered this half-term:

- Functions and graphs
- Transformations
- Using statistics to compare Dataa
- End of Year Exam

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer Second Half Term (HT6)

## Topics covered this half-term:

- Fractions of amounts and proportionality
- Formulae and real-life graphs
- Symmetry
- Half-term Assessment

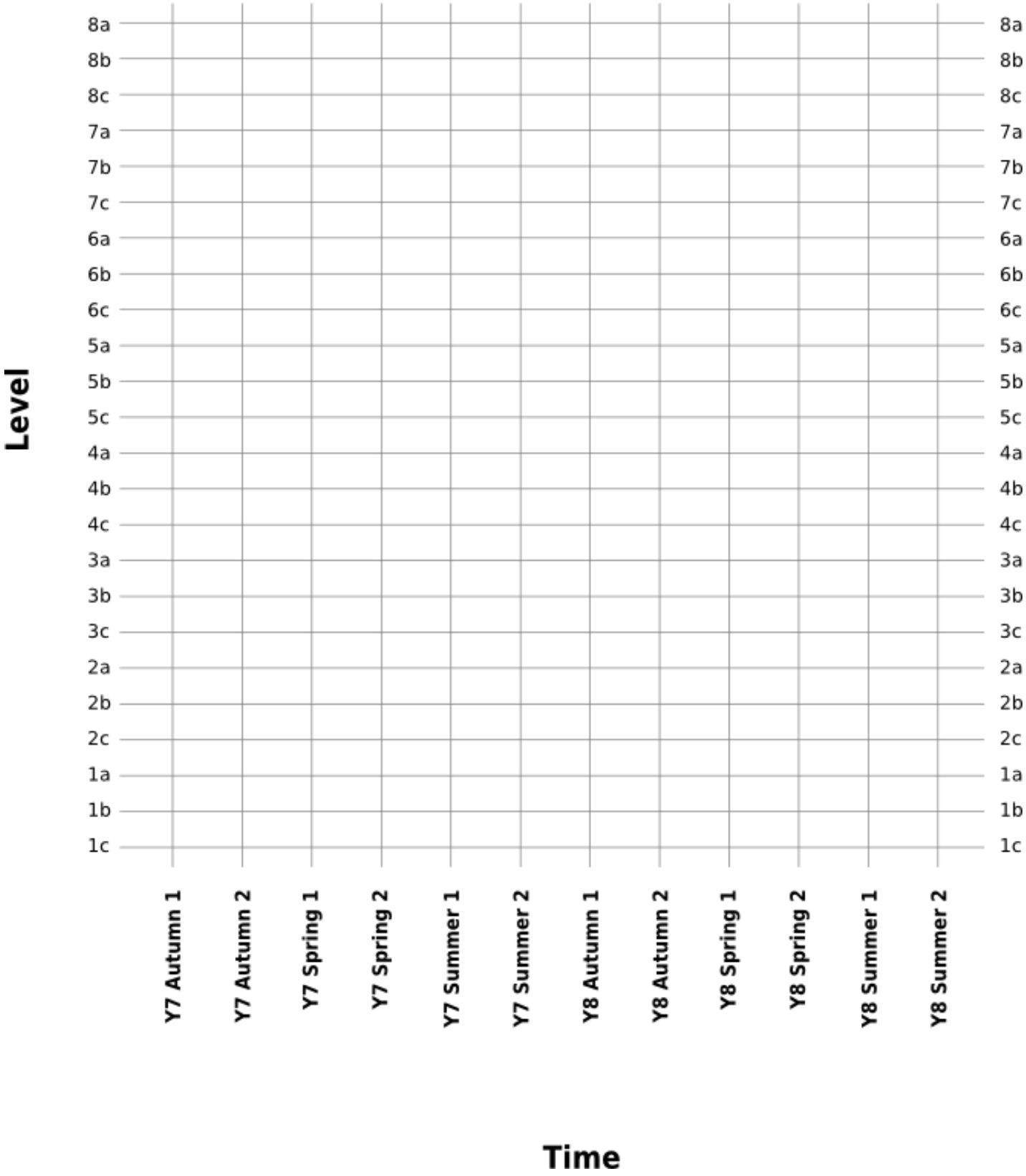
## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition and subtraction | | | |
| A2 | Multiplying and dividing | | | |
| A3 | Doubling and halving | | | |
| A4 | Fractions of amounts | | | |
| A5 | Time calculations | | | |
| A6 | Substitution | | | |
| A7 | Area and perimeter | | | |
| A8 | Naming shapes | | | |
| B1 | Drawing a conversion graph | | | |
| B2 | Naming vertical/horizontal lines | | | |
| B3 | Reflecting in a mirror line | | | |
| B4 | Describing translations | | | |
| B5 | Proportion | | | |
| B6 | Reading from a chart | | | |
| B7 | Multiplying by a fraction | | | |
| B8 | Patterns and nth term | | | |
| B9 | Order of rotational symmetry | | | |

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Progress through the year



ALLERTON HIGH SCHOOL
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# Maths Assessment Through the Year

# 7

**Name:**

**Group:**

**Teacher:**

**Target level:**

# Autumn First Half Term (HT1)

## Topics covered this half-term:

- Sequences and functions
- The Number system: integers and decimals
- Length, area, perimeter
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition & Subtraction | | | |
| A2 | Multiplication & Division | | | |
| A3 | Long Multiplication | | | |
| A4 | Doubling & Halving | | | |
| A5 | Fraction of an amount | | | |
| A6 | Time | | | |
| A7 | Area & Perimeter | | | |
| A8 | Area & Perimeter | | | |
| A9 | Substitution | | | |
| A10 | Names and properties of shapes | | | |
| B1 | Number Sequence Machine | | | |
| B2 | Number Sequence Machine | | | |
| B3 | Ordering Numbers | | | |
| B4 | Multiples | | | |
| B5 | Money | | | |
| B6 | Money | | | |
| B7 | Money | | | |
| B8 | Directed Numbers | | | |
| B9 | Area & Perimeter | | | |
| B10 | Ordering Numbers | | | |
| B11 | Measuring a line | | | |
| B12 | Money (adding decimals) | | | |
| B13 | Factors | | | |
| B14 | Factors | | | |
| B15 | Prime Numbers | | | |
| B16 | Multiples | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Autumn Second Half Term (HT2)

## Topics covered this half-term:

- Multi-step calculations, fractions and percentages
- Processing and representing Data, probability
- Formulae, functions and equations
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition & Subtraction | | | |
| A2 | Multiplication & Division | | | |
| A3 | Written Multiplication | | | |
| A4 | Doubling & Halving | | | |
| A5 | Fraction of an amount | | | |
| A6 | Time | | | |
| A7 | Area & Perimeter | | | |
| A8 | Area & Perimeter | | | |
| A9 | Substitution | | | |
| A10 | Names and properties of shapes | | | |
| B1 | Bidmas | | | |
| B2 | Square roots | | | |
| B3 | Fractions | | | |
| B4 | Shaded fractions | | | |
| B5 | Equivalent fractions | | | |
| B6 | Averages | | | |
| B7 | Bar charts and pictograms | | | |
| B8 | Probability | | | |
| B9 | Bar chart | | | |
| B10 | Using symbols | | | |
| B11 | Substitution | | | |

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring First Half Term (HT3)

## Topics covered this half-term:

- Shapes, angles, co-ordinates
- Surveys and experiments
- Symmetry Homework Project
- Mental and written calculations
- Half-term Assessment

## Test self-assessment

| Q | Skill |  | | |
|---|---|---|---|---|
| A1 | Addition & Subtraction | | | |
| A2 | Multiplication & Division | | | |
| A3 | Written Multiplication | | | |
| A4 | Doubling & Halving | | | |
| A5 | Fraction of an amount | | | |
| A6 | Time | | | |
| A7 | Area & Perimeter | | | |
| A8 | Area & Perimeter | | | |
| A9 | Substitution | | | |
| A10 | Names and properties of shapes | | | |
| B1 | Symmetry | | | |
| B2 | Reflection | | | |
| B3 | Naming angles | | | |
| B4 | Measuring angles | | | |
| B5 | Data collection sheet | | | |
| B6 | Two way tables | | | |
| B7 | Two-digit addition and subtraction | | | |
| B8 | Working backwards in addition and subtraction | | | |
| B9 | 3- by 2- digit multiplication | | | |
| B10 | Solving problems with decimals | | | |
| B11 | Multiplication problems with money | | | |
| B12 | Division problems with money | | | |
| B13 | Written division | | | |

## My level:

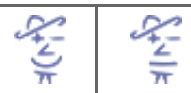
| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring Second Half Term (HT4)

## Topics covered this half-term:

- Expressions, equations, formulae
- Measures, triangles and 3D solids
- Fractions, ratio and proportion
- Half-term Assessment

## Test self-assessment

| Q | Skill |  | | |
|---|---|---|---|---|
| A1 | Addition & Subtraction | | | |
| A2 | Multiplication & Division | | | |
| A3 | Written Multiplication | | | |
| A4 | Doubling & Halving | | | |
| A5 | Fraction of an amount | | | |
| A6 | Time | | | |
| A7 | Area & Perimeter | | | |
| A8 | Area & Perimeter | | | |
| A9 | Substitution | | | |
| A10 | Names and properties of shapes | | | |
| B1 | Expressions | | | |
| B2 | Solving equations | | | |
| B3 | Metric conversion | | | |
| B4 | 3D shapes and their nets | | | |
| B5 | Fraction of amounts | | | |
| B6 | Comparing % of amounts | | | |
| B7 | Ratio ( sharing, simplifying, shading in a given ratio) | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer First Half Term (HT5)

## Topics covered this half-term:

- Functions and graphs
- Transformations
- Using statistics to compare Dataa
- End of Year Exam

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer Second Half Term (HT6)

## Topics covered this half-term:

- Fractions of amounts and proportionality
- Formulae and real-life graphs
- Symmetry
- Half-term Assessment

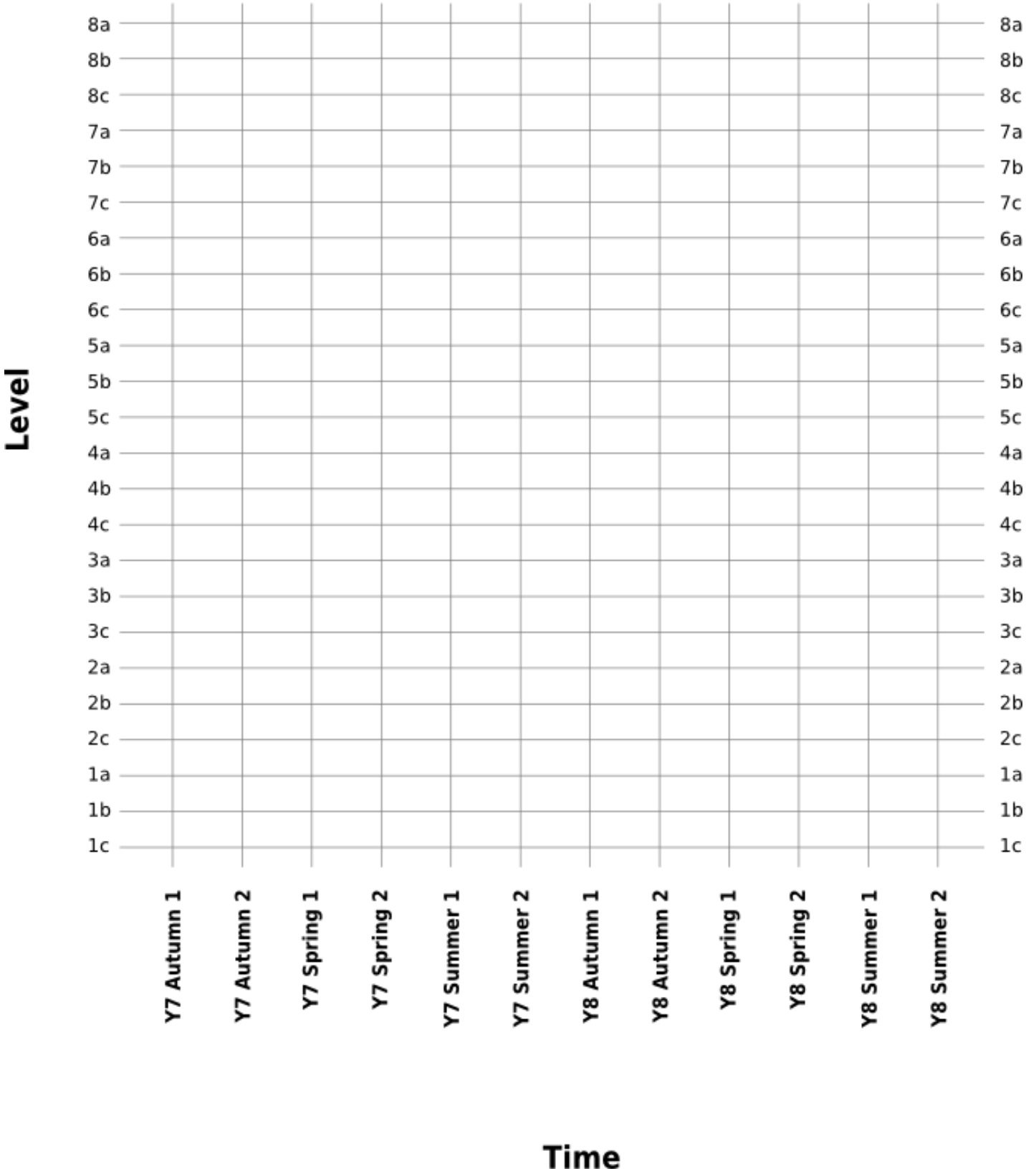
## Test self-assessment

| Q | Skill |  | | |
|---|---|---|---|---|
| A1 | Addition & Subtraction | | | |
| A2 | Multiplication & Division | | | |
| A3 | Written Multiplication | | | |
| A4 | Doubling & Halving | | | |
| A5 | Fraction of an amount | | | |
| A6 | Time | | | |
| A7 | Area & Perimeter | | | |
| A8 | Area & Perimeter | | | |
| A9 | Substitution | | | |
| A10 | Names and properties of shapes | | | |
| B1 | Conversion charts | | | |
| B2 | Reading straight line graphs | | | |
| B3 | Reflection | | | |
| B4 | Describing transformations | | | |
| B5 | Rotation | | | |
| B6 | Finding fractions of amounts | | | |
| B7 | Worded multiplication problems | | | |
| B8 | Interpreting graphs and charts | | | |
| B9 | Spotting rotational symmetry | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Progress through the year



ALLERTON HIGH SCHOOL
Business and Enterprise Specialist School

# Maths Assessment Through the Year

# 8

**Name:**

**Group:**

**Teacher:**

**Target level:**

# Autumn First Half Term (HT1)

## Topics covered this half-term:

- Place value, rounding, calculations
- Expressions
- Angles, polygons, circles and compound shapes
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Number skills | | | |
| A2 | Rounding | | | |
| A3 | Negative numbers | | | |
| A4 | Averages | | | |
| A5 | Solving equations | | | |
| A6 | Fraction/decimal/ percentages | | | |
| A7 | Four operations of fractions | | | |
| A8 | Product of prime factors | | | |
| A9 | Area of triangle | | | |
| A10 | Area of 2D shapes | | | |
| B1 | Multiplying and dividing 10,100,1000 | | | |
| B2 | Multiplying and dividing decimals | | | |
| B3 | Estimation | | | |
| B4 | Standard Form | | | |
| B5 | Simplifying Algebra | | | |
| B6 | Constructing Equations | | | |
| B7 | Simplifying Algebra | | | |
| B8 | Expanding and Factorising | | | |
| B9 | Laws of Indices | | | |
| B10 | Perimeter | | | |
| B11 | Area of a circle | | | |
| B12 | Length or arc | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Autumn Second Half Term (HT2)

## Topics covered this half-term:

- Collecting and processing data
- Factors, powers and calculating with fractions
- Algebraic fractions, equations and inequalities
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Number skills | | | |
| A2 | Rounding | | | |
| A3 | Negative numbers | | | |
| A4 | Averages | | | |
| A5 | Solving equations | | | |
| A6 | Fraction/decimal/ percentages | | | |
| A7 | Four operations of fractions | | | |
| A8 | Product of prime factors | | | |
| A9 | Area of triangle | | | |
| A10 | Area of 2D shapes | | | |
| B1 | Scatter Graphs | | | |
| B2 | Stem and Lead Diagrams | | | |
| B3 | Prime Factors | | | |
| B4 | Square root Estimation | | | |
| B5 | Laws of Indices | | | |
| B6 | Calculating with Fractions | | | |
| B7 | Mixed Number Calculation | | | |
| B8 | Solving Equations | | | |
| B9 | Inequalities - Number Line | | | |
| B10 | Solving Inequalities | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring First Half Term (HT3)

## Topics covered this half-term:

- Transformations and scale drawing
- Trial and improvement, proportion and formulae
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Number skills | | | |
| A2 | Rounding | | | |
| A3 | Negative numbers | | | |
| A4 | Averages | | | |
| A5 | Solving equations | | | |
| A6 | Fraction/decimal/ percentages | | | |
| A7 | Four operations of fractions | | | |
| A8 | Product of prime factors | | | |
| A9 | Area of triangle | | | |
| A10 | Area of 2D shapes | | | |
| B1 | Translation | | | |
| B2 | Enlargement | | | |
| B3 | Describing Enlargements | | | |
| B4 | Combining Transformations | | | |
| B5 | Proportion Calculation | | | |
| B6 | Constructing Equations | | | |
| B7 | Solving Problems with Money | | | |
| B8 | Rearranging Formula | | | |
| B9 | Constructing Equations | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring Second Half Term (HT4)

## Topics covered this half-term:

- Fractions, percentages and ratio
- Constructions, loci and Pythagoras
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Number skills | | | |
| A2 | Rounding | | | |
| A3 | Negative numbers | | | |
| A4 | Averages | | | |
| A5 | Solving equations | | | |
| A6 | Fraction/decimal/ percentages | | | |
| A7 | Four operations of fractions | | | |
| A8 | Product of prime factors | | | |
| A9 | Area of triangle | | | |
| A10 | Area of 2D shapes | | | |
| B1 | Percentage change | | | |
| B2 | Scales | | | |
| B3 | Sharing in a given ratio | | | |
| B4 | Multiplying decimals | | | |
| B5 | Using ratios | | | |
| B6 | Constructions | | | |
| B7 | Pythagoras | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer First Half Term (HT5)

## Topics covered this half-term:

- Statistical investigations
- Written and calculator methods
- End of Year Exam

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer Second Half Term (HT6)

## Topics covered this half-term:

- Holiday Project
- Sequences, functions and graphs
- 3D solids, measures and trigonometry
- Probability and experiments
- Half-term Assessment

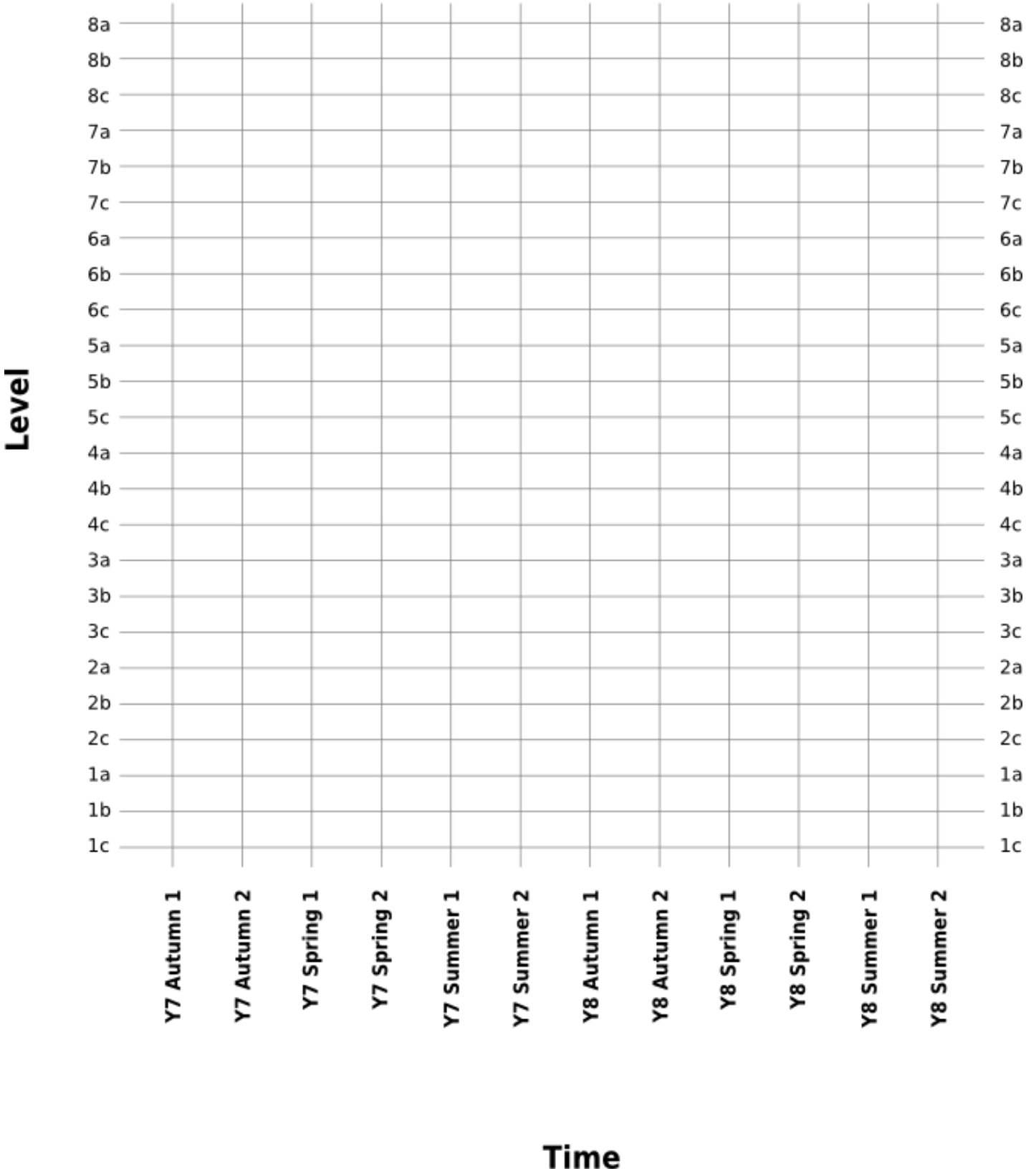
## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Number skills | | | |
| A2 | Rounding | | | |
| A3 | Negative numbers | | | |
| A4 | Averages | | | |
| A5 | Solving equations | | | |
| A6 | Fraction/decimal/ percentages | | | |
| A7 | Four operations of fractions | | | |
| A8 | Product of prime factors | | | |
| A9 | Area of triangle | | | |
| A10 | Area of 2D shapes | | | |
| B1 | Questionnaires | | | |
| B2 | Cumulative frequency | | | |
| B3 | Using a calculator | | | |
| B4 | Currency conversion | | | |
| B5 | Speed distance time graph | | | |
| B6 | Using Nth term | | | |
| B7 | Probability | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Progress through the year



ALLERTON HIGH SCHOOL
Business and Enterprise Specialist School

# Maths Assessment Through the Year

# 8

**Name:**

**Group:**

**Teacher:**

**Target level:**

# Autumn First Half Term (HT1)

## Topics covered this half-term:

- Place value, rounding, calculations
- Expressions
- Angles, polygons, circles and compound shapes
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition and Subtraction | | | |
| A2 | Ordering +/- integers | | | |
| A3 | Collecting Like Terms | | | |
| A4 | Long Multiplication/Division | | | |
| A5 | Adding/subtracting fractions | | | |
| A6 | Percentages of Amounts | | | |
| A7 | Time Calculations | | | |
| A8 | Area & Perimeter | | | |
| B1 | Multiplying and dividing decimals | | | |
| B2 | Circumference of a circle | | | |
| B3 | Estimation | | | |
| B4 | Multiplying Decimals | | | |
| B5 | Simplifying Expressions | | | |
| B6 | Internal/External angles of polygons | | | |
| B7 | Perimeter & Area | | | |
| B8 | Area of a circle | | | |
| B9 | Compound Area | | | |

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Autumn Second Half Term (HT2)

## Topics covered this half-term:

- Collecting and processing data
- Factors, powers and calculating with fractions
- Algebraic fractions, equations and inequalities
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Addition and Subtraction | | | |
| A2 | Simplifying Ratios | | | |
| A3 | Simplifying Expressions | | | |
| A4 | Multiplying and dividing decimals | | | |
| A5 | Adding/Subtracting Fractions | | | |
| A6 | Percentages of Amounts | | | |
| A7 | Conversions | | | |
| A8 | Perimeter & Area | | | |
| B1 | Scatter Graphs | | | |
| B2 | Mean - Grouped Freq Table | | | |
| B3 | Multiplying and dividing fractions | | | |
| B4 | Squares, cubes and Roots | | | |
| B5 | LCM & HCF | | | |
| B6 | Solving Equations | | | |
| B7 | Constructing Equations | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring First Half Term (HT3)

## Topics covered this half-term:

- Transformations and scale drawing
- Trial and improvement, formulae
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Integer Calculation | | | |
| A2 | Averages | | | |
| A3 | Solving Equations | | | |
| A4 | Types of Numbers | | | |
| A5 | Converting between Fractions and Decimals | | | |
| A6 | Percentages of Amounts | | | |
| A7 | Polygons | | | |
| A8 | Area and Circumference of a circle | | | |
| B1 | Reflective/Rotational Symmetry | | | |
| B2 | Transformation | | | |
| B3 | Enlargements | | | |
| B4 | Describing Enlargements | | | |
| B5 | Combining Transformations | | | |
| B6 | Proportion Calculation | | | |
| B7 | Substitution | | | |
| B8 | Direct Proportion | | | |
| B9 | Substituting into Formulae | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring Second Half Term (HT4)

## Topics covered this half-term:

- Fractions, percentages and ratio
- Constructions, loci and views of 3D solids
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Integer Calculations | | | |
| A2 | Averages | | | |
| A3 | Solving Equations | | | |
| A4 | Types of Numbers | | | |
| A5 | FDP Conversions | | | |
| A6 | Calculating with Fractions | | | |
| A7 | Prime Factors | | | |
| A8 | Area | | | |
| B1 | Unitary method | | | |
| B2 | Scales and ratio | | | |
| B3 | Equivalent ratios | | | |
| B4 | Sharing in a given ratio | | | |
| B5 | Percentages of amounts | | | |
| B6 | Percentage reductions | | | |
| B7 | Best value | | | |
| B8 | Constructing triangles | | | |
| B9 | Plans and elevations | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer First Half Term (HT5)

## Topics covered this half-term:

- Statistical investigations
- Written and calculator methods
- End of Year Exam

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer Second Half Term (HT6)

## Topics covered this half-term:

- Holiday Project
- Sequences, functions and graphs
- 3D solids, measures and Pythagoras
- Probability and experiments
- Half-term Assessment

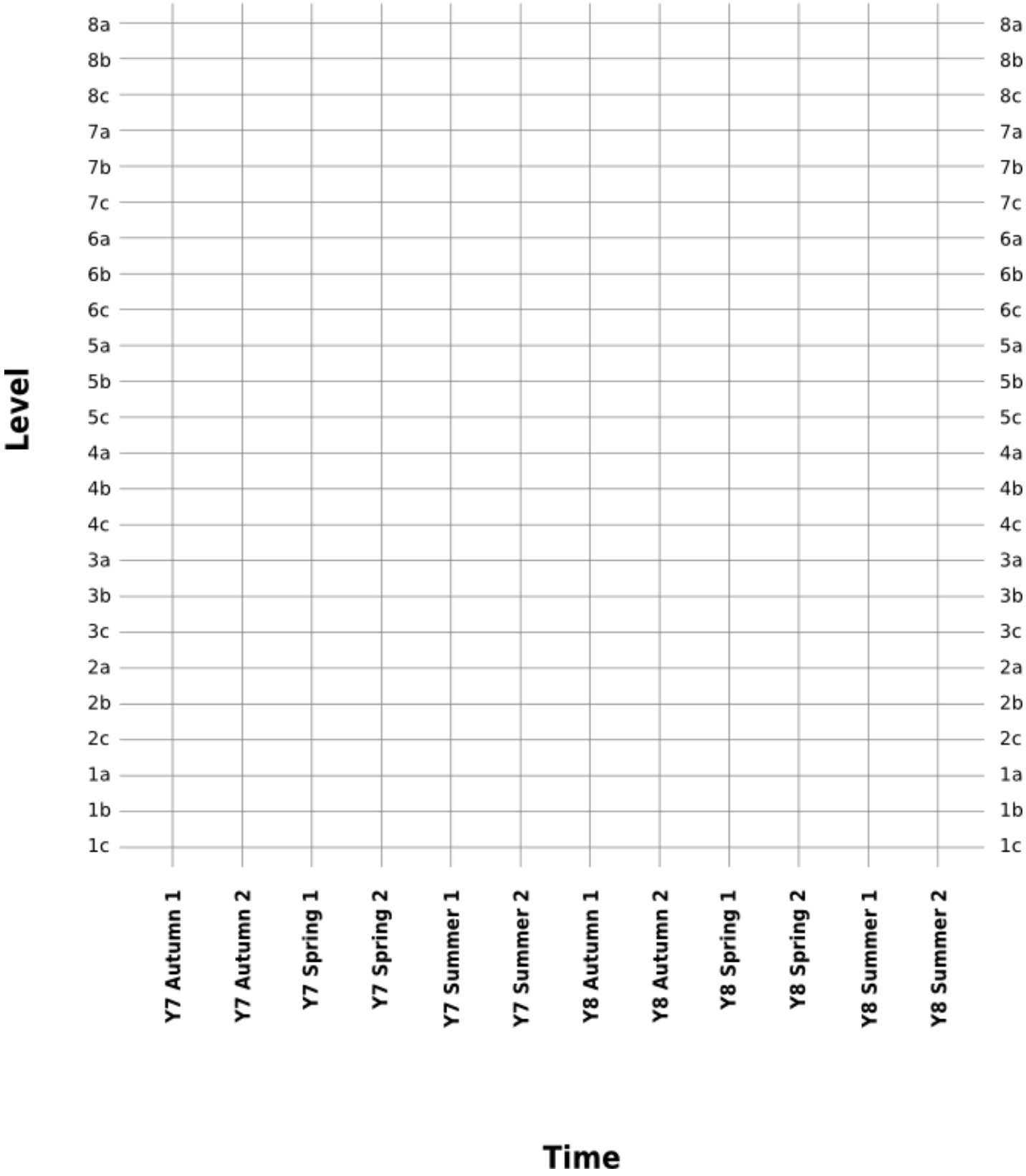
## Test self-assessment

| Q | Skill |  | | |
|---|---|---|---|---|
| A1 | Integer Calculations | | | |
| A2 | Probability | | | |
| A3 | Equations | | | |
| A4 | Ratio and Proportion | | | |
| A5 | Calculating with Fractions | | | |
| A6 | Area & Perimeter | | | |
| B1 | Solving real-life problems with time and money | | | |
| B2 | Using a calculator for complex calculations | | | |
| B3 | Using nth term rules | | | |
| B4 | Finding nth term rule | | | |
| B5 | Drawing graphs of straight line | | | |
| B6 | Converting units | | | |
| B7 | Converting units | | | |
| B8 | Volume of prisms | | | |
| B9 | Pythagoras Theorem | | | |
| B10 | Probability problems | | | |

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Progress through the year



ALLERTON HIGH SCHOOL
Business and Enterprise Specialist School

# Maths Assessment Through the Year

# 8

**Name:**

**Group:**

**Teacher:**

**Target level:**

# Autumn First Half Term (HT1)

## Topics covered this half-term:

- Integers, powers, roots
- Sequences
- Angles, shapes and constructions
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Adding & subtracting decimals | | | |
| A2(A) | Multiplying negatives | | | |
| A2(B) | Powers and roots | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying and dividing | | | |
| A5 | Adding & subtracting fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Fractions of amounts | | | |
| A8 | Area & perimeter of a rectangle | | | |
| B1 | Generating a sequence from nth term | | | |
| B2 | Prime factorisation | | | |
| B3 | Angle calculations with reasons | | | |
| B4 | Adding/subtracting +/- numbers | | | |
| B5 | Substitution | | | |
| B6 | Multiplying with +/- numbers | | | |
| B7 | Using negative numbers | | | |
| B8 | Alternate and corresponding angles | | | |

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Autumn Second Half Term (HT2)

## Topics covered this half-term:

- Probability
- Fractions, decimals and percentages
- Expressions, equations and formulae
- Half-term Assessment

## Test self-assessment

| Q | Skill |  | | |
|---|---|---|---|---|
| A1 | Adding & subtracting decimals | | | |
| A2(A) | Multiplying negatives | | | |
| A2(B) | Powers and roots | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying and dividing | | | |
| A5 | Adding & subtracting fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Fractions of amounts | | | |
| A8 | Area & perimeter of a triangle | | | |
| B1 | Percentage of an amount | | | |
| B2 | Converting F,D and P | | | |
| B3 | Expanding and simplifying expressions | | | |
| B4 | Probability | | | |
| B5 | Expanding and simplifying expressions | | | |
| B6 | Probability | | | |
| B7 | Writing an expression | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring First Half Term (HT3)

## Topics covered this half-term:

- Symmetry Homework Project
- Area, volume, 3D solids
- Functions, mappings and graphs
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Adding & subtracting decimals | | | |
| A2(A) | Multiplying negatives | | | |
| A2(B) | Powers and roots | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying and dividing | | | |
| A5 | Calculating with fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Prime factors | | | |
| A8 | Area and perimeter of a rectangle | | | |
| B1 | Area of a trapezium | | | |
| B2 | Problem solving involving area | | | |
| B3 | Volume of a prism | | | |
| B4 | Surface area of 3D shapes | | | |
| B5 | Plans and elevations | | | |
| B6 | Metric/Imperial conversions | | | |
| B7 | Function machines | | | |
| B8 | Straight line graphs | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring Second Half Term (HT4)

## Topics covered this half-term:

- Place value, rounding, calculations
- Congruence and tansformations
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Adding & subtracting decimals | | | |
| A2(A) | Multiplying negatives | | | |
| A2(B) | Powers and roots | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying and dividing | | | |
| A5 | Calculating with fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Metric conversion | | | |
| A8 | Area of a triangle | | | |
| B1 | Functional problems involving division/multiplication | | | |
| B2 | Calculating the mid-point of two calculations | | | |
| B3 | Recognise congruent shapes | | | |
| B4 | Transformations | | | |
| B5 | Rounding | | | |
| B6 | Powers of 10 | | | |
| B7 | Multiplying decimals | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer First Half Term (HT5)

## Topics covered this half-term:

- Surveys and data
- Ratio, proportion and real-life graphs
- End of Year Exam

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer Second Half Term (HT6)

## Topics covered this half-term:

- Formulae, expressions and graphs
- Scale drawing, loci and bearings
- Collecting and analysing data
- Half-term Assessment

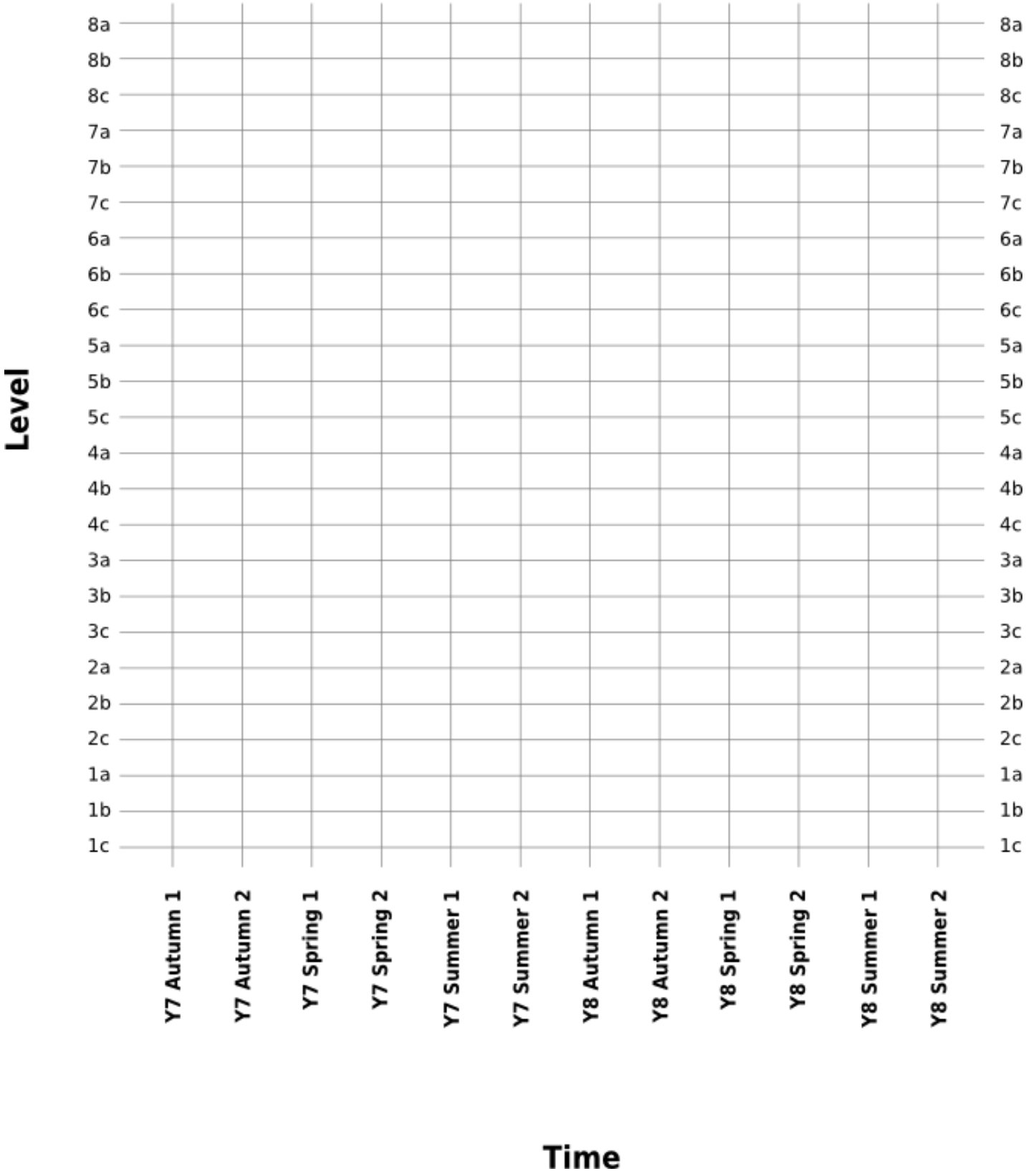
## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Multiplying decimals | | | |
| A2(A) | Multiplying negatives | | | |
| A2(B) | Powers and roots | | | |
| A3 | Simplifying algebra | | | |
| A4 | Calculating with fractions | | | |
| A5 | Percentage increase | | | |
| A6 | Metric conversion | | | |
| A7 | Perimeter of a compound shape | | | |
| B1 | Averages | | | |
| B2 | Questionnaires | | | |
| B3 | Drawing pie charts | | | |
| B4 | Sharing in a given ratio | | | |
| B5 | Speed distance time graphs | | | |
| B6 | Constructing triangles | | | |
| B7 | Bearings | | | |
| B8 | Averages from a frequency table | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Progress through the year



ALLERTON HIGH SCHOOL
Business and Enterprise Specialist School

# Maths Assessment Through the Year

# 8

**Name:**

**Group:**

**Teacher:**

**Target level:**

# Autumn First Half Term (HT1)

## Topics covered this half-term:

- Integers, powers, roots
- Sequences
- Angles, shapes and constructions
- Half-term Assessment

## Test self-assessment

| Q | Skill |  | | |
|---|---|---|---|---|
| A1 | Adding and subtracting | | | |
| A2 | Ordering numbers | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying and dividing | | | |
| A5 | Adding and subtracting fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Time calculations | | | |
| A8 | Area and perimeter of a rectangle | | | |
| B1 | Angles on a straight line | | | |
| B2 | Angles at a point | | | |
| B3 | Angles in a triangle | | | |
| B4 | Angles in parallel lines | | | |
| B5 | Completing number sequences | | | |
| B6 | Number machines and sequences | | | |
| B7 | Value for money | | | |
| B8 | Adding and subtracting negative numbers | | | |
| B9 | Powers and roots | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Autumn Second Half Term (HT2)

## Topics covered this half-term:

- Probability
- Fractions, decimals and percentages
- Expressions, equations and formulae
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Adding and subtracting | | | |
| A2 | Ordering numbers | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying and dividing | | | |
| A5 | Adding and subtracting fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Time calculations | | | |
| A8 | Area and perimeter of a rectangle | | | |
| B1 | Probability of shaded squares | | | |
| B2 | Probability of counters | | | |
| B3 | Probability expected frequency | | | |
| B4 | Fraction of an amount | | | |
| B5 | Decimals as fractions | | | |
| B6 | Adding and subtracting fractions | | | |
| B7 | Fraction of an amount | | | |
| B8 | Fractions as decimals | | | |
| B9 | Ordering fractions | | | |
| B10 | Mixed numbers as top heavy fractions | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring First Half Term (HT3)

## Topics covered this half-term:

- Symmetry Homework Project
- Area, volume, 3D solids
- Functions, mappings and graphs
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Adding and subtracting | | | |
| A2 | Ordering numbers | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying, dividing and powers | | | |
| A5 | Adding and subtracting fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Time calculations | | | |
| A8 | Area and perimeter of a rectangle | | | |
| B1 | Volume of cuboids | | | |
| B2 | Area and perimeter of compound shape | | | |
| B3 | Area of compound shape | | | |
| B4 | Area of compound shape | | | |
| B5 | Volume of cuboids | | | |
| B6 | Volume of cuboids | | | |
| B7 | Function machines | | | |
| B8 | Straight lines graph coordinates | | | |
| B9 | Function machines | | | |
| B10 | Function machines | | | |
| B11 | Plans and elevations | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Spring Second Half Term (HT4)

## Topics covered this half-term:

- Place value, rounding, calculations
- Symmetry and transformations
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Adding and subtracting | | | |
| A2 | Ordering numbers | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying, dividing and powers | | | |
| A5 | Adding and subtracting fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Time calculations | | | |
| A8 | Area and perimeter of a rectangle | | | |
| B1 | Adding and subtracting with money | | | |
| B2 | Percentage, decimals and fractions | | | |
| B3 | Worded money problem | | | |
| B4 | Congruent shapes | | | |
| B5 | Worded money problem | | | |
| B6 | Estimation | | | |
| B7 | Translating a shape | | | |
| B8 | Reflecting a shape | | | |
| B9 | Reflecting a shape | | | |
| B10 | Rounding to nearest 10, 100 | | | |
| B11 | Rounding to 2dp | | | |
| B12 | Powers and decimal multiplication | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer First Half Term (HT5)

## Topics covered this half-term:

- Surveys and data
- Ratio, proportion and real-life graphs
- End of Year Exam

## My level: _____

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Summer Second Half Term (HT6)

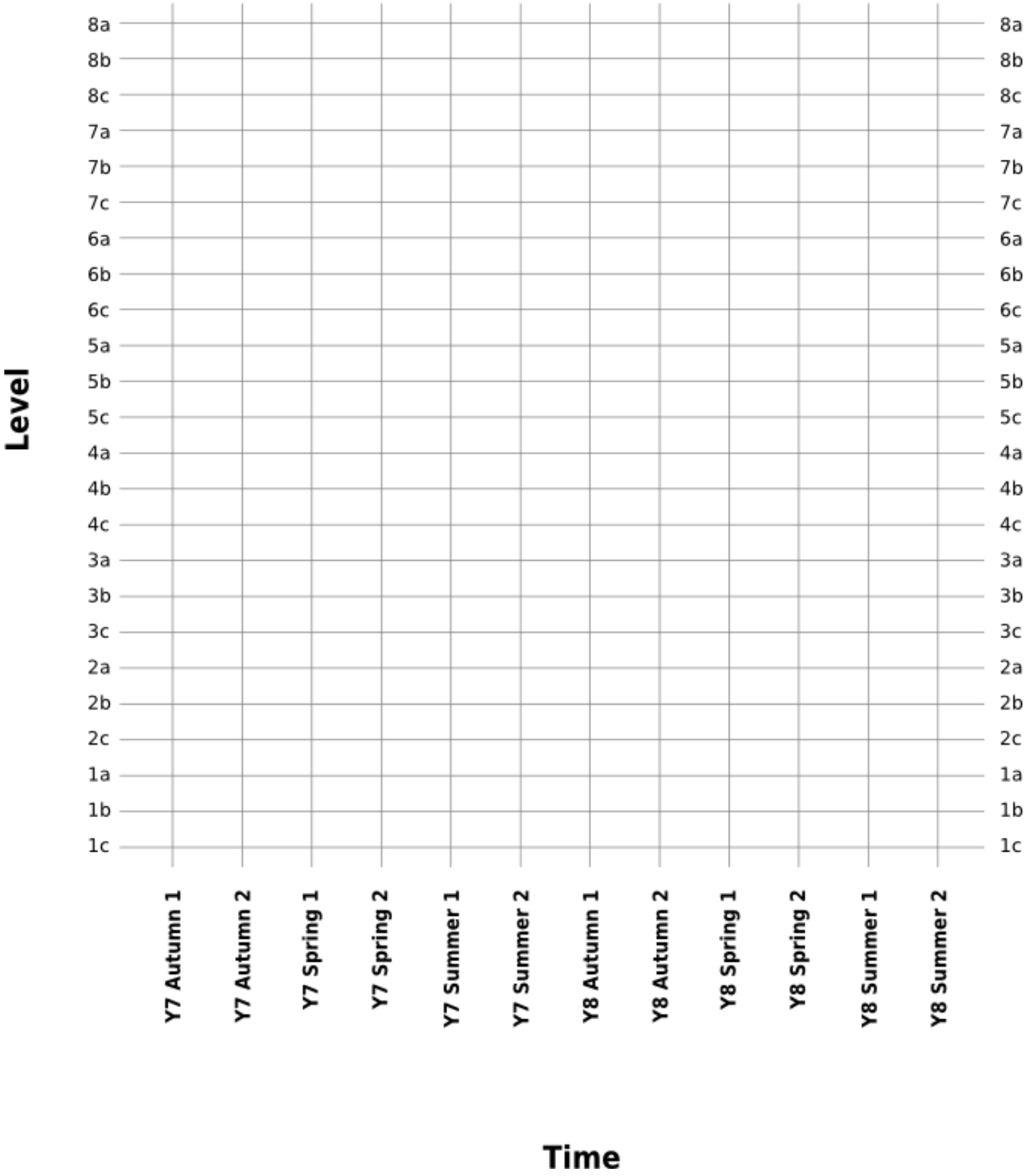
## Topics covered this half-term:

- Scale drawing, loci and bearings
- Collecting and analysing data
- Half-term Assessment

## Test self-assessment

| Q | Skill | | | |
|---|---|---|---|---|
| A1 | Adding and subtracting | | | |
| A2 | Ordering numbers | | | |
| A3 | Simplifying algebra | | | |
| A4 | Multiplying, dividing and powers | | | |
| A5 | Adding and subtracting fractions | | | |
| A6 | Percentages of amounts | | | |
| A7 | Time calculations | | | |
| A8 | Area and perimeter of a rectangle | | | |
| B1 | Averages and range | | | |
| B2 | Questionnaires | | | |
| B3 | Construct an equilateral triangle | | | |
| B4 | Drawing a bar chart and pie chart | | | |
| B5 | Measure a bearing angle | | | |
| B6 | Grouped frequency tally chart | | | |

## My level:

| Strengths | Things to work on |
|---|---|
| 1 | 1 |
| 2 | 2 |

# Progress through the year