Year 5

Parents meeting

Agenda

- Overview of curriculum
- Maths Quiz website
- Fluency program- using the ten frames
- Methods for calculation
- QLA's for parents and how to use them
- Homework
- Questions

Maths overview

EFFECTIVE MATHS

Year 5 mathematics curriculum overview

24

Block 1

	1	2	3	4	5	6	7	8	9	10	11	12
Y5	Place value (U1)		Addition and subtraction (U1)		Multiplication and division (U1)		Time	Fractions (U1)		Multiplication /division (U2)	Geometry	

Block 2

	1	2	3	4	5	6	7	8	9	10	11	12
Y5	Money and decimals (U1)		Place value (U2)	Addition and subtraction (U2)		Multiplication and division (U2)		Fractions (U2)		Percentages	Statistics	

Block 3

	1	2	3	4	5	6	7	8	9	10	11	12
Y5	Place value (U3)		Calculation		Money and decimals(U2)	Length	Mass and volume	Patterns and relationships		School to determine focus		

	Block 1											
	1	2	3	4	5	6	7	8	9	10	11	12
Y5	Place value (U1)		Addition and subtraction (U1)		Multiplication and division (U1)		Time	Fractions (U1)		Multiplication /division (U2)	Geometry	
	[1] Reading/writing numbers to 400,000 in numerals [2] Reading/writing numbers to 400,000 in words [3] Counting in tens and hundreds [4] Counting in tens, hundreds and thousands [5] Identifying and representing numbers ☼MQ [6] Comparing and ordering numbers [7] Rounding to nearest 10 and 100 [8] Rounding to nearest 10, 100, 1,000 and 10,000 ☼MQ		[1] Facts for 1 with decimal numbers to 1 dp and associated problem solving ☼MQ [2] Facts for 1 and 10 with decimal numbers to 1 dp and associated problem solving [3] Complements for 1,000 and related facts ☼MQ [4] Mental calculation Making next/previous ten; near doubles ☼MQ [5] Calculation strategies Left to right addition; number line; partitioning the minuend [6] Estimation [7] Add numbers with more than 4-digits (with exchanging) [8] Subtract numbers with more than 4-digits (with exchanging) [9] Addition reasoning [10] Subtraction reasoning ☼MQ		[1] 9 × table (revision) [2] Reasoning about multiplication [3] Factors ☼MQ [4] Understanding division and recalling division facts ☼**RTP 5NF–1**← [5] Division problems ☼MQ [6] Multiplication arithmagons [7] Common factors and common multiples ☼**RTP 5MD–2**← [8] Prime numbers [8] Square numbers		[1] Solving problems [2] Converting between units of time ☼MQ [3] Reading timetables ☼MQ [4] Solving problems	[1] Counting in thirds and ninths [2] Find non-unit fractions of quantities ☼**RTP 5F–1** [3] Equivalent fractions ☼**RTP 5F–2** [4] Comparing and ordering fractions [a] [5] Comparing and ordering fractions [b] ☼MQ Quiz linked to [3] - [4]: Comparing fractions [6] Improper fractions and mixed numbers [a] [7] Improper fractions and mixed numbers [b] [8] Recognising hundredths and linking to tenths and other fractions		[1] Revision of unit 1: reasoning, factors and multiples [2] Multiplying by 10 and 100 [3] Multiplying and dividing by 10, 100 and 1,000 ☼**RTP 5MD–1**← [4] Multiplying 4-digit numbers	[1] Angles [2] Angles [3] Angles [4] Angles ☼MQ [5] Quadrilaterals [6] Angles in quadrilaterals ☼**RTP 5G–1** [7] Drawing shapes [8] Coordinates [9] Coordinates - translation and reflection	

Block 2

	1	2	3	4	5	6	7	8	9	10	11	12
Y5	Money and decimals (U1)		Place value (U2)		Addition and subtraction (U2)		Multiplication and division (U3)		Fractions (U2)	Percentages	Statistics	
	[1] Tenths - revision [2] Hundredths, halves and quarters – revision ☼**RTP 5NPV–1** [3] Rounding and comparing - revision [4] Decimal numbers as fractions ☼**RTP 5F–3** [5] Decimal equivalents of thousandths [6] Rounding decimals [7] Comparing and ordering to two decimal places ☼**RTP 5NPV–3** [8] Comparing and ordering to three decimal places ☼MQ Y5 quiz covers: Decimal equivalents for tenths, fifths, quarters, halves and thousandths; rounding decimals; comparing and ordering decimals		[1] Reading and writing numbers to 700,000 [2] [3] Counting in steps of 10 with numbers > 400,000 [4] Counting in steps of 10 and 100 with numbers > 400,000 [5] Counting in steps of 10, 100 and 1,000 with numbers > 400,000 [6] Reading scales with 2, 4, 5 or 10 intervals ☼**RTP 5NPV-4←** [7] Ordering and comparing numbers to 700,000 [8] Negative numbers ☼MQ		[1] Addition and subtraction with decimal numbers to two decimal places (facts for one and related facts) ☼MQ [2] Problems with decimal numbers to two decimal places [3] Adding lots of numbers [4] Methods for addition [5] Methods for subtraction ☼MQ [6] Population data problems [7] Solving problems [8] Solving problems		[1] Square numbers (revision) ☼MQ [2] Revision of unit 2 [3] 6 × table and related facts [4] Scaling multiplication and division facts ☼**RTP 5NF-2←** [5] Multiplying 2-digit numbers by 2-digit numbers (open arrays and grid method) [6] Multiplying 2-digit numbers by 2-digit numbers (grid method and expanded column method) ☼MQ [7] Investigating the multiplication square (more practice with multiplying 2-digit numbers by 2-digit numbers) [8] Dividing numbers with up to 4 digits by 8 [9] Dividing numbers with up to 4 digits [10] Cube numbers [11] Volume of solid shapes, cubes and cuboids		[1] Addition of related fractions [2] Addition of related fractions (quarters, eighths, halves and sixteenths) [3] Addition of related fractions (thirds, sixths and twelfths; fifths, tenths and twentieths) [4] Subtraction of related fractions [5] Subtraction of related fractions [6] Multiplying proper fractions by whole numbers [7] Multiplying mixed numbers by whole numbers ☼MQ Adding, subtracting and multiplying fractions	[1] Percentage equivalents (1/2, 1/4 and 3/4) [2] More percentage equivalents (10ths, 5ths and 20ths) ☼MQ [3] Applying knowledge of fraction, decimal and percentage equivalents [4] Word problems involving converting fractions to percentages [5] Finding percentages of quantities	[1] Representing the same data in different ways [2] Venn diagrams with three sets [3] Interpreting tables [4] Line graphs (a) [5] Line graphs (b) [6] Pie charts (a) [7] Pie charts (b) [8] Representing the same data in different ways ☼ Sorting diagrams; tables	

	Block 3											
	1	2	3	4	5	6	7	8	9	10	11	12
Y5	Place value (U3)		Calculation		Money and decimals(U2)	Length	Mass and volume		Patterns and relationships	School to determine focus		
	[1] Reading and writing numbers to 1,000,000 [2] Counting forwards and backwards in steps of powers of 10 [3] Making numbers in different ways [4] Partitioning in different ways [a] ☼MQ [5] Partitioning in different ways [b] ☼RTP 5NPV–2 [6] Roman numerals to 500 [7] Roman numerals to 1,000 [8] Roman numerals for years		[1] Addition strategies [2] Subtraction strategies [3] Word problems ☼MQ [4] Solving problems with the bar model (a) [5] Solving problems with the bar model (b) [6] Multiplication - using known facts [7] Multiplying 3- and 4-digit numbers by 2-digit numbers [8] Division (revision) Division methods; related facts; remainders ☼MQ [9] Division problems ☼MQ		[1] Calculating amounts of money [2] Solving problems about money [3] Adding decimal numbers [4] Subtracting decimal numbers [5] Solving problems involving decimals ☼MQ Solving problems involving money	[1] Conversion of units of length [2] Converting from kilometres and metres ☼MQ [3] Perimeter of rectilinear shapes [4] Area [5] Area and perimeter problems ☼RTP 5G–2	[1] Reading different scales ☼MQ [2] Converting from kilograms to grams and from grams to kilograms [3] Imperial/metric conversion for mass [4] Converting from litres to millilitres and from millilitres to litres ☼RTP 5NPV–5← [5] Solving problems about volume [6] Imperial/metric conversion for volume		[1] Number sequences ☼MQ [2] Stick patterns [3] Tile patterns [4] Stairs on the number grid (a) [5] Stairs on the number grid (b)	If time exists, it is suggested it is used to revisit the Ready to Progress focuses.		

Maths quiz

- Effective maths online quizzes
- www.mathsquiz.org
- Username- tgs@mathsquiz.org
- Password- 13579

Log In

New to this site? Sign Up

Email

tgs@mathsquiz.org

Password

•••••

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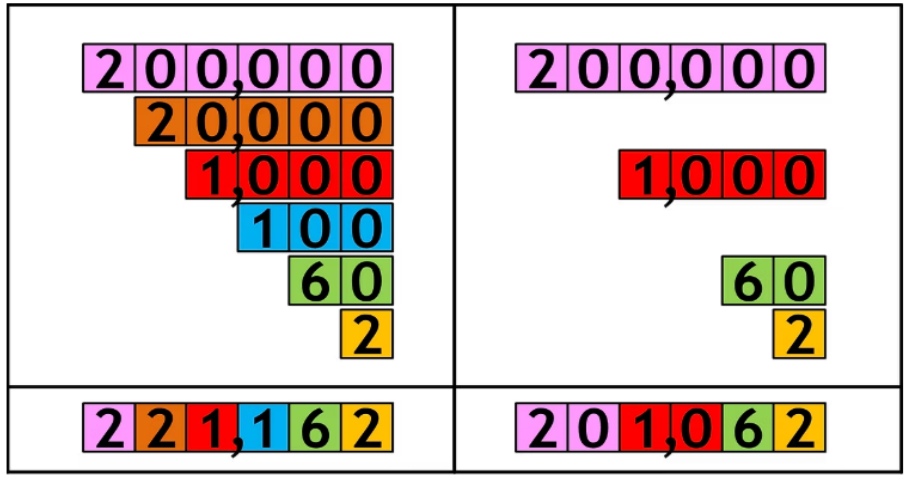
Log In

Home | What's new? | Y1 | Y2 | Y3 | Y4 | Y5 | Y6

Year 5

From here you can access all the quizzes designed to support learning during Year 5.



Block 1 | Block 2 | Block 3

Place value (Unit 1)

Identifying and representing numbers

Rounding to nearest 10, 100, 1,000 and 10,000 - new f

Addition and subtraction (Unit 1)

Addition facts for 1 and 10 with decimal numbers

Subtraction strategies (Making the previous ten and partitio

Number bonds for 1,000 and related facts - new for 202

Reasoning about subtraction - new for 2022/23

Enter your details

Providing your email is optional.
If you provide your email address the results will be sent to you at the end of the quiz.

Name

Email

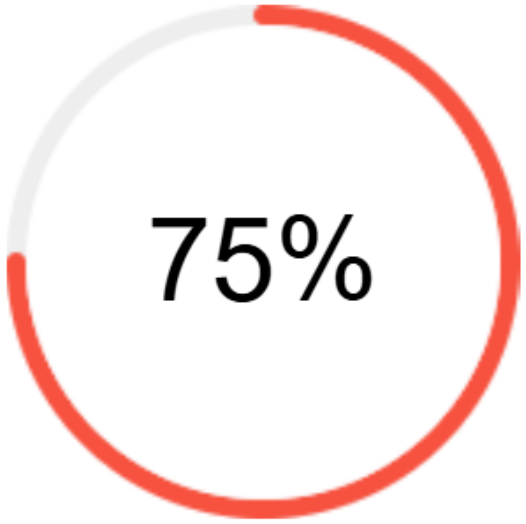
Results will be sent to this email

Year

Class

Date

Quiz Results "B1-S5: Identifying and representing numbers"



Date/Time	**12 October 2025 22:01**
Answered:	**9 / 12**
Student Score	**9 / 12 (75%)**
Passing score	**9.6 (80%)**
Time Spent:	**1 min 42 sec**

Fluency program

Compensation

Relationships

Partitioning

Making the next ten

Using QLA's at home

Areas for improvement

Calculations	
Subtracting whole numbers with more than 4 digits	R
Adding whole numbers with more than 4 digits	R
Multiplying a 4-digit number by a 2-digit number using a	R
Dividing numbers with up to 4 digits by a single digit using	R
Recognising and using square numbers and cube numbers	R

Fractions, decimals and percentages	
Subtracting fractions with the same denominator	R
Adding fractions with the same denominator	A
Solving problems involving numbers with up to 3 decimal	A
Subtracting fractions with denominators that are multiples o	R
Adding fractions with denominators that are multiples of the	R

Statistics	
Completing, reading and interpreting information in tables,	A

Number and Place Value	
Reading, writing, ordering and comparing numbers to at	R
Finding 100 more or less than a given number	R

Geometry - properties of shape	
Identifying perpendicular lines	A
Measuring angles in degrees	R

Measurement	
Calculating the area of rectangles	R
Converting between different units of measurement; using	R
Using all four operations to solve problems involving	R
Using all four operations to solve problems involving	R
Converting between different units; using all 4 operations to	R

3 | 4
Addition and subtraction (U1)
[1] Facts for 1 with decimal numbers to 1 dp and associated problem solving ☼MQ
[2] Facts for 1 and 10 with decimal numbers to 1 dp and associated problem solving
[3] Complements for 1,000 and related facts ☼MQ
[4] Mental calculation Making next/previous ten; near doubles ☼MQ
[5] Calculation strategies Left to right addition; number line; partitioning the minuend
[6] Estimation
[7] Add numbers with more than 4-digits (with exchanging)
[8] Subtract numbers with more than 4-digits (with exchanging)
[9] Addition reasoning
[10] Subtraction reasoning ☼MQ

☼indicates a quiz linked to the content of the lesson/s.
☼MQ means the quiz is accessible via mathsquiz.org

☼RTP means it is a Ready to Progress quiz. Where a RTP quiz also has a backward arrow symbol, ←, this is to indicate that the RTP focus also encompasses key content from earlier lessons: see RTP page on main website for details.

Supporting PiXL Resources:	Applicable Questions
Y3 Maths Therapies	Q1, Q7
Y4 Maths Therapies	Q3, Q4, Q5, Q6, Q8, Q9, Q12, Q15, Q18, Q24
Y5 Maths Therapies	Q2, Q10, Q11, Q13, Q19, Q21, Q22, Q23, Q25, Q26 Q27, Q28, Q29, Q30, Q32, Q33, Q34, Q35, Q36
Vocabulary Shorts	Q3, Q25
Mental Maths App	Q5, Q6,
Multiplication Tables Therapies	Q5, Q6
Progression in Written and Mental Strategies	Q4, Q6, Q8, Q11, Q14, Q16, Q17, Q18, Q20, Q22, Q26, Q29, Q31, Q33, Q34
Mental Agility Therapies	Q4, Q17

Paper 1

Supporting PiXL Resources:	Applicable Questions
Y3 Maths Therapies	
Y4 Maths Therapies	Q3
Y5 Maths Therapies	Q1, Q4, Q6, Q8, Q9, Q11, Q12, Q13, Q15, Q17, Q18
Y6 Maths Therapies	Q5, Q16
Mathematical Recall Cards	Q2, Q6
Vocabulary Shorts	Q2, Q6
Y5 Number and Answer Free Zones	Q4, Q7, Q10, Q12, Q14, Q18, Q20
Mental Maths App	Q7
Multiplication Tables Therapies	Q7
Exposing Misconceptions in Maths	Q8
Y6 Explain how you know questions and guidance	Q15

Paper 2

Paper 3

Supporting PiXL Resources:	Applicable Questions
Y2 Maths Therapies	Q4
Y3 Maths Therapies	Q1, Q2, Q4
Y4 Maths Therapies	Q8
Y5 Maths Therapies	Q3, Q5, Q6, Q9, Q10, Q11, Q12, Q14, Q15, Q18, Q19, Q21, Q22
Vocabulary Shorts	Q3, Q4, Q10, Q11, Q14,
Mathematical Recall Cards	Q3, Q4, Q10, Q11, Q14,
Y5 Number and Answer Free Zones	Q4, Q7, Q13, Q16, Q17, Q18, Q20, Q22
Mental Maths App	Q7, Q11
Multiplication Tables Therapies	Q7, Q11
Progression in Written and Mental Strategies	Q13, Q15, Q20

Homework

1. Alex ran 8,773m on Saturday. On Sunday she ran 3,685m. Find the difference in length between her two runs.

2. What mistake has been made in this calculation?

$$\begin{array}{r} 3824 \\ +\ 3469 \\ \hline 6283 \\ {\scriptstyle 1\quad 1} \end{array}$$

3. Which of the options below is the most sensible estimate for: 2478 + 3153?

5600 5620 5630 6000

4. Find the missing digits in this calculation

$$\begin{array}{r} 45\square 6 \\ -\ 1\square 3\square \\ \hline \square 692 \end{array}$$

Questions?