

Our Curriculum

Year 5 Spring Term



Garfield Primary
Today's children, tomorrow's future.



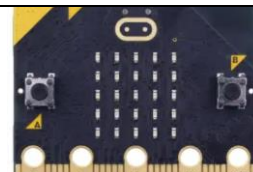


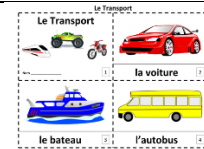

Maths	<p>Decimals and Percentages: Pupils will be learning about the relationship between decimals, fractions and percentages. They will find equivalents, compare them and understand their relationship to each other, in particular, thousandths as fractions and decimals. They will be ordering, comparing and rounding decimals too.</p> <p>Perimeter and Area: After this, the pupils will move onto learning how to calculate area and perimeter, including polygons, rectilinear and compound shapes.</p> <p>Statistics: Finally, the pupils will be learning about statistics. They will learn to draw, read and interpret line graphs, two way tables and time tables.</p> <p>After learning and practising these skills, pupils will apply their knowledge to a variety of reasoning and fluency problems, challenges and questions to deepen their mathematical learning and make links with different areas of the maths curriculum.</p>	<p>Decimals, Percentages and Fractions</p> <table border="1"> <thead> <tr> <th>Fraction</th><th>Percentage</th><th>Decimal</th></tr> </thead> <tbody> <tr> <td>1 whole</td><td>100%</td><td>1</td></tr> <tr> <td>$\frac{1}{2}$</td><td>50%</td><td>0.5</td></tr> <tr> <td>$\frac{1}{4}$</td><td>25%</td><td>0.25</td></tr> <tr> <td>$\frac{1}{8}$</td><td>12.5%</td><td>0.125</td></tr> <tr> <td>$\frac{1}{10}$</td><td>10%</td><td>0.1</td></tr> <tr> <td>$\frac{1}{20}$</td><td>5%</td><td>0.05</td></tr> <tr> <td>$\frac{1}{40}$</td><td>2.5%</td><td>0.025</td></tr> <tr> <td>$\frac{1}{80}$</td><td>1.25%</td><td>0.0125</td></tr> <tr> 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<td>$\frac{1}{1547425049106725343623905280}$</td><td>0.00000000000000000000000006462348535570137814155906210402978788965722236328125%</td><td>0.00000000000000000000000006462348535570137814155906210402978788965722236328125</td></tr> <tr> <td>$\frac{1}{3094850098213450687247810560}$</td><td>0.000000000000000000000000032311742677850689070779531052014893944828611181640625%</td><td>0.000000000000000000000000032311742677850689070779531052014893944828611181640625</td></tr> <tr> <td>$\frac{1}{6189700196426901374495621120}$</td><td>0.0000000000000000000000000161558713389253445353897655260074469724143055908203125%</td><td>0.0000000000</td></tr></tbody></table>	Fraction	Percentage	Decimal	1 whole	100%	1	$\frac{1}{2}$	50%	0.5	$\frac{1}{4}$	25%	0.25	$\frac{1}{8}$	12.5%	0.125	$\frac{1}{10}$	10%	0.1	$\frac{1}{20}$	5%	0.05	$\frac{1}{40}$	2.5%	0.025	$\frac{1}{80}$	1.25%	0.0125	$\frac{1}{160}$	0.625%	0.00625	$\frac{1}{320}$	0.3125%	0.003125	$\frac{1}{640}$	0.15625%	0.0015625	$\frac{1}{1280}$	0.078125%	0.00078125	$\frac{1}{2560}$	0.0390625%	0.000390625	$\frac{1}{5120}$	0.01953125%	0.0001953125	$\frac{1}{10240}$	0.009765625%	0.00009765625	$\frac{1}{20480}$	0.0048828125%	0.000048828125	$\frac{1}{40960}$	0.00244140625%	0.0000244140625	$\frac{1}{81920}$	0.001220703125%	0.00001220703125	$\frac{1}{163840}$	0.0006103515625%	0.000006103515625	$\frac{1}{327680}$	0.00030517578125%	0.0000030517578125	$\frac{1}{655360}$	0.000152587890625%	0.00000152587890625	$\frac{1}{1310720}$	0.0000762939453125%	0.000000762939453125	$\frac{1}{2621440}$	0.00003814697265625%	0.0000003814697265625	$\frac{1}{5242880}$	0.000019073486328125%	0.00000019073486328125	$\frac{1}{10485760}$	0.0000095367431640625%	0.000000095367431640625	$\frac{1}{20971520}$	0.00000476837158203125%	0.0000000476837158203125	$\frac{1}{41943040}$	0.000002384185791015625%	0.00000002384185791015625	$\frac{1}{83886080}$	0.0000011920928955078125%	0.000000011920928955078125	$\frac{1}{167772160}$	0.00000059604644775390625%	0.0000000059604644775390625	$\frac{1}{335544320}$	0.000000298023223876953125%	0.00000000298023223876953125	$\frac{1}{671088640}$	0.0000001490116119384765625%	0.000000001490116119384765625	$\frac{1}{1342177280}$	0.00000007450580596923828125%	0.0000000007450580596923828125	$\frac{1}{2684354560}$	0.000000037252902984619140625%	0.00000000037252902984619140625	$\frac{1}{5368709120}$	0.0000000186264514923095703125%	0.000000000186264514923095703125	$\frac{1}{10737418240}$	0.00000000931322574615478515625%	0.0000000000931322574615478515625	$\frac{1}{21474836480}$	0.000000004656612873077392578125%	0.00000000004656612873077392578125	$\frac{1}{42949672960}$	0.0000000023283064365386962890625%	0.000000000023283064365386962890625	$\frac{1}{85899345920}$	0.00000000116415321826934814453125%	0.0000000000116415321826934814453125	$\frac{1}{171798691840}$	0.000000000582076609134674072265625%	0.00000000000582076609134674072265625	$\frac{1}{343597383680}$	0.0000000002910383045673370361328125%	0.000000000002910383045673370361328125	$\frac{1}{687194767360}$	0.00000000014551915228366851806640625%	0.0000000000014551915228366851806640625	$\frac{1}{1374389534720}$	0.000000000072759576141834259033203125%	0.00000000000072759576141834259033203125	$\frac{1}{2748779069440}$	0.0000000000363797880709171295166015625%	0.000000000000363797880709171295166015625	$\frac{1}{5497558138880}$	0.00000000001818989403545856475830078125%	0.0000000000001818989403545856475830078125	$\frac{1}{10995116277760}$	0.000000000009094947017729282379150390625%	0.00000000000009094947017729282379150390625	$\frac{1}{21990232555520}$	0.0000000000045474735088646141895751953125%	0.000000000000045474735088646141895751953125	$\frac{1}{43980465111040}$	0.00000000000227373675443230709478759765625%	0.0000000000000227373675443230709478759765625	$\frac{1}{87960930222080}$	0.000000000001136868377216153547393798828125%	0.00000000000001136868377216153547393798828125	$\frac{1}{175921860444160}$	0.0000000000005684341886080767736968994140625%	0.000000000000005684341886080767736968994140625	$\frac{1}{351843720888320}$	0.00000000000028421709430403838684844970703125%	0.0000000000000028421709430403838684844970703125	$\frac{1}{703687441776640}$	0.000000000000142108547152019193424224853515625%	0.00000000000000142108547152019193424224853515625	$\frac{1}{1407374883553280}$	0.0000000000000710542735760095967121124267578125%	0.000000000000000710542735760095967121124267578125	$\frac{1}{2814749767106560}$	0.00000000000003552713678800479835605621337890625%	0.0000000000000003552713678800479835605621337890625	$\frac{1}{5629499534213120}$	0.000000000000017763568394002399178028106689453125%	0.00000000000000017763568394002399178028106689453125	$\frac{1}{11258999068426240}$	0.0000000000000088817841970011995890140533447265625%	0.000000000000000088817841970011995890140533447265625	$\frac{1}{22517998136852480}$	0.0000000000000044408920985005997945070266723828125%	0.000000000000000044408920985005997945070266723828125	$\frac{1}{45035996273704960}$	0.00000000000000222044604925029989725351333619140625%	0.0000000000000000222044604925029989725351333619140625	$\frac{1}{90071992547409920}$	0.000000000000001110223024625149948626756668095703125%	0.00000000000000001110223024625149948626756668095703125	$\frac{1}{180143985094819840}$	0.0000000000000005551115123125749743133783340478515625%	0.00000000000000005551115123125749743133783340478515625	$\frac{1}{360287970189639680}$	0.000000000000000277555756156287487156689167023928125%	0.0000000000000000277555756156287487156689167023928125	$\frac{1}{720575940379279360}$	0.0000000000000001387778780781437435783445835119640625%	0.00000000000000001387778780781437435783445835119640625	$\frac{1}{1441151880758558720}$	0.00000000000000006938893903907187178917229175598203125%	0.00000000000000006938893903907187178917229175598203125	$\frac{1}{2882303761517117440}$	0.000000000000000034694469519535935894586145877991015625%	0.000000000000000034694469519535935894586145877991015625	$\frac{1}{5764607523034234880}$	0.0000000000000000173472347597679679472930729389955078125%	0.0000000000000000173472347597679679472930729389955078125	$\frac{1}{11529215046068469760}$	0.000000000000000008673617379883498473646536469497778125%	0.000000000000000008673617379883498473646536469497778125	$\frac{1}{23058430092136939520}$	0.0000000000000000043368086899417492368232682347488890625%	0.0000000000000000043368086899417492368232682347488890625	$\frac{1}{46116860184273879040}$	0.00000000000000000216840434497087461841163411737444453125%	0.00000000000000000216840434497087461841163411737444453125	$\frac{1}{92233720368547758080}$	0.000000000000000001084202172485437309205817058687222265625%	0.000000000000000001084202172485437309205817058687222265625	$\frac{1}{184467440737095516160}$	0.0000000000000000005421010862427186546029085293436111328125%	0.0000000000000000005421010862427186546029085293436111328125	$\frac{1}{368934881474191032320}$	0.00000000000000000027105054312135932730145426467180556640625%	0.00000000000000000027105054312135932730145426467180556640625	$\frac{1}{737869762948382064640}$	0.000000000000000000135525271560679663650727132335902783203125%	0.000000000000000000135525271560679663650727132335902783203125	$\frac{1}{1475739525896764129280}$	0.0000000000000000000677626357803398318253635661679513916015625%	0.0000000000000000000677626357803398318253635661679513916015625	$\frac{1}{2951479051793528258560}$	0.00000000000000000003388131789016991591268178308397569580078125%	0.00000000000000000003388131789016991591268178308397569580078125	$\frac{1}{5902958103587056517120}$	0.000000000000000000016940658945084957956340891541987847900390625%	0.000000000000000000016940658945084957956340891541987847900390625	$\frac{1}{11805916207174113034240}$	0.0000000000000000000084703294725424789781704457720993923501953125%	0.0000000000000000000084703294725424789781704457720993923501953125	$\frac{1}{23611832414348226068480}$	0.00000000000000000000423516473627123948908522288604969617509765625%	0.00000000000000000000423516473627123948908522288604969617509765625	$\frac{1}{47223664828696452136960}$	0.000000000000000000002117582368135619744542611443024848087548828125%	0.000000000000000000002117582368135619744542611443024848087548828125	$\frac{1}{94447329657392904273920}$	0.0000000000000000000010587911840678098722713057215124240437744140625%	0.0000000000000000000010587911840678098722713057215124240437744140625	$\frac{1}{188894659314785808547840}$	0.00000000000000000000052939559203390493613565286075621202188720703125%	0.00000000000000000000052939559203390493613565286075621202188720703125	$\frac{1}{377789318629571617095680}$	0.000000000000000000000264697796016952468067826430378106010943603515625%	0.000000000000000000000264697796016952468067826430378106010943603515625	$\frac{1}{755578637259143234191360}$	0.0000000000000000000001323488980084762240339132151890530054718017578125%	0.0000000000000000000001323488980084762240339132151890530054718017578125	$\frac{1}{1511157274518286468382720}$	0.00000000000000000000006617444900423811201695660759452650273590087890625%	0.00000000000000000000006617444900423811201695660759452650273590087890625	$\frac{1}{3022314549036572936765440}$	0.000000000000000000000033087224502119056008478303797263251367950439453125%	0.000000000000000000000033087224502119056008478303797263251367950439453125	$\frac{1}{6044629098073145873530880}$	0.0000000000000000000000165436122510595280042391518986316256839752197265625%	0.0000000000000000000000165436122510595280042391518986316256839752197265625	$\frac{1}{12089258196146291747061760}$	0.00000000000000000000000827180612552976400211957594931581284198760986328125%	0.00000000000000000000000827180612552976400211957594931581284198760986328125	$\frac{1}{24178516392292583494123520}$	0.00000000000000000000000413590306276488200105978797465790642493804943125%	0.00000000000000000000000413590306276488200105978797465790642493804943125	$\frac{1}{48357032784585166988247040}$	0.000000000000000000000002067951531382441000529893987328953212469024715625%	0.000000000000000000000002067951531382441000529893987328953212469024715625	$\frac{1}{96714065569170333976494080}$	0.0000000000000000000000010339757656912205002649469936644766062345123578125%	0.0000000000000000000000010339757656912205002649469936644766062345123578125	$\frac{1}{193428131138340667952988160}$	0.00000000000000000000000051698788284561102513247249683223830311725617890625%	0.00000000000000000000000051698788284561102513247249683223830311725617890625	$\frac{1}{386856262276681335905976320}$	0.000000000000000000000000258493941422805512566236248416119151558628089453125%	0.000000000000000000000000258493941422805512566236248416119151558628089453125	$\frac{1}{773712524553362671811952640}$	0.0000000000000000000000001292469707114027562831181242080595757793140447265625%	0.0000000000000000000000001292469707114027562831181242080595757793140447265625	$\frac{1}{1547425049106725343623905280}$	0.00000000000000000000000006462348535570137814155906210402978788965722236328125%	0.00000000000000000000000006462348535570137814155906210402978788965722236328125	$\frac{1}{3094850098213450687247810560}$	0.000000000000000000000000032311742677850689070779531052014893944828611181640625%	0.000000000000000000000000032311742677850689070779531052014893944828611181640625	$\frac{1}{6189700196426901374495621120}$	0.0000000000000000000000000161558713389253445353897655260074469724143055908203125%	0.0000000000
Fraction	Percentage	Decimal																																																																																																																																																																																																																																																																																													
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$\frac{1}{8}$	12.5%	0.125																																																																																																																																																																																																																																																																																													
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$\frac{1}{40}$	2.5%	0.025																																																																																																																																																																																																																																																																																													
$\frac{1}{80}$	1.25%	0.0125																																																																																																																																																																																																																																																																																													
$\frac{1}{160}$	0.625%	0.00625																																																																																																																																																																																																																																																																																													
$\frac{1}{320}$	0.3125%	0.003125																																																																																																																																																																																																																																																																																													
$\frac{1}{640}$	0.15625%	0.0015625																																																																																																																																																																																																																																																																																													
$\frac{1}{1280}$	0.078125%	0.00078125																																																																																																																																																																																																																																																																																													
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$\frac{1}{10240}$	0.009765625%	0.00009765625																																																																																																																																																																																																																																																																																													
$\frac{1}{20480}$	0.0048828125%	0.000048828125																																																																																																																																																																																																																																																																																													
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$\frac{1}{81920}$	0.001220703125%	0.00001220703125																																																																																																																																																																																																																																																																																													
$\frac{1}{163840}$	0.0006103515625%	0.000006103515625																																																																																																																																																																																																																																																																																													
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$\frac{1}{1310720}$	0.0000762939453125%	0.000000762939453125																																																																																																																																																																																																																																																																																													
$\frac{1}{2621440}$	0.00003814697265625%	0.0000003814697265625																																																																																																																																																																																																																																																																																													
$\frac{1}{5242880}$	0.000019073486328125%	0.00000019073486328125																																																																																																																																																																																																																																																																																													
$\frac{1}{10485760}$	0.0000095367431640625%	0.000000095367431640625																																																																																																																																																																																																																																																																																													
$\frac{1}{20971520}$	0.00000476837158203125%	0.0000000476837158203125																																																																																																																																																																																																																																																																																													
$\frac{1}{41943040}$	0.000002384185791015625%	0.00000002384185791015625																																																																																																																																																																																																																																																																																													
$\frac{1}{83886080}$	0.0000011920928955078125%	0.000000011920928955078125																																																																																																																																																																																																																																																																																													
$\frac{1}{167772160}$	0.00000059604644775390625%	0.0000000059604644775390625																																																																																																																																																																																																																																																																																													
$\frac{1}{335544320}$	0.000000298023223876953125%	0.00000000298023223876953125																																																																																																																																																																																																																																																																																													
$\frac{1}{671088640}$	0.0000001490116119384765625%	0.000000001490116119384765625																																																																																																																																																																																																																																																																																													
$\frac{1}{1342177280}$	0.00000007450580596923828125%	0.0000000007450580596923828125																																																																																																																																																																																																																																																																																													
$\frac{1}{2684354560}$	0.000000037252902984619140625%	0.00000000037252902984619140625																																																																																																																																																																																																																																																																																													
$\frac{1}{5368709120}$	0.0000000186264514923095703125%	0.000000000186264514923095703125																																																																																																																																																																																																																																																																																													
$\frac{1}{10737418240}$	0.00000000931322574615478515625%	0.0000000000931322574615478515625																																																																																																																																																																																																																																																																																													
$\frac{1}{21474836480}$	0.000000004656612873077392578125%	0.00000000004656612873077392578125																																																																																																																																																																																																																																																																																													
$\frac{1}{42949672960}$	0.0000000023283064365386962890625%	0.000000000023283064365386962890625																																																																																																																																																																																																																																																																																													
$\frac{1}{85899345920}$	0.00000000116415321826934814453125%	0.0000000000116415321826934814453125																																																																																																																																																																																																																																																																																													
$\frac{1}{171798691840}$	0.000000000582076609134674072265625%	0.00000000000582076609134674072265625																																																																																																																																																																																																																																																																																													
$\frac{1}{343597383680}$	0.0000000002910383045673370361328125%	0.000000000002910383045673370361328125																																																																																																																																																																																																																																																																																													
$\frac{1}{687194767360}$	0.00000000014551915228366851806640625%	0.0000000000014551915228366851806640625																																																																																																																																																																																																																																																																																													
$\frac{1}{1374389534720}$	0.000000000072759576141834259033203125%	0.00000000000072759576141834259033203125																																																																																																																																																																																																																																																																																													
$\frac{1}{2748779069440}$	0.0000000000363797880709171295166015625%	0.000000000000363797880709171295166015625																																																																																																																																																																																																																																																																																													
$\frac{1}{5497558138880}$	0.00000000001818989403545856475830078125%	0.0000000000001818989403545856475830078125																																																																																																																																																																																																																																																																																													
$\frac{1}{10995116277760}$	0.000000000009094947017729282379150390625%	0.00000000000009094947017729282379150390625																																																																																																																																																																																																																																																																																													
$\frac{1}{21990232555520}$	0.0000000000045474735088646141895751953125%	0.000000000000045474735088646141895751953125																																																																																																																																																																																																																																																																																													
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$\frac{1}{175921860444160}$	0.0000000000005684341886080767736968994140625%	0.000000000000005684341886080767736968994140625																																																																																																																																																																																																																																																																																													
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$\frac{1}{6189700196426901374495621120}$	0.0000000000000000000000000161558713389253445353897655260074469724143055908203125%	0.0000000000																																																																																																																																																																																																																																																																																													

Our Curriculum

Year 5 Spring Term



Garfield Primary
Today's children, tomorrow's future.


Geography	<u>North and South America:</u> This half term, Our geography focus is North and South America. We will look at population distribution and especially at the larger cities. We will take a closer look at the largest cities of Brazil and learn more about life there.	
RE	<u>Christianity:</u> This half term, our focus is Christianity. We will be learning about how Christians believe that service to others is also service to God and that this should inform the way we lead our lives	
Computing	<u>Programming Micro Bit:</u> This half term, pupils will be completing a programming unit called Micro Bit. Pupils will be clipping blocks together in a program and predicting what will happen while making connections with previously used programming interfaces. Pupils will create animations, recognise inputs/outputs, choose appropriate blocks, and break programs down into smaller steps.	
PE	<u>Dance:</u> This half term, the children will continue to learn about dancing. They will undertake a unit titled 'Mambo to Tango.' They will use their body language, expressions and movements to put together dance sequences to communicate their feelings and emotions.	
DT	<u>Mechanisms – Pop Up Books:</u> This half term, the pupils will design a pop-up book which uses a mixture of structures and mechanisms. After storyboarding ideas, they will plan the layout before making the mechanisms and learning ways to hide them.	
French	<u>Les Transports (transport):</u> This term, we will learn how to use language relating to transport, travelling and visiting places.	
PSHE	<u>Citizenship:</u> This half term, pupils will continue to learn about how to be a good citizen. They will learn about breaking laws and related consequences, their rights, contributions to society and the role of pressure groups, as well as how parliament works. They will then be learning about Safety and the Changing Body.	

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Music	<u>The Solar System:</u> This unit embarks on a musical journey through the solar system, exploring how our universe inspired composers including Debussy, Holst and George Crumb. The pupils will learn a song and compose pieces of music linked to space.	
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