

YEAR 5 MATHS LTP

Each week of each half term	1	2	3	4	5	6
Times table chants (tricky facts)	<p>4 x 12 and 12 x 4</p> <ul style="list-style-type: none"> •At the park with my mate... 4 times 12 is 48 •I left the park a little late... 12 times 4 is 48 <p>11 x 11</p> <ul style="list-style-type: none"> •Fancy going for a run... 11, 11s is 1-2-1 <p>7 x 8 and 8 x 7</p> <ul style="list-style-type: none"> •My house is made of bricks... 7 times 8 is 56 •This old house needs a fix... 8 times 7 is 56 	<p>4 x 6 and 6 x 4</p> <ul style="list-style-type: none"> •Please sir, can I have some more?... 4 times 6 is 24 •More made my belly sore... 6 times 4 is 24 <p>7 x 7</p> <ul style="list-style-type: none"> •This one's my favourite rhyme... 7 times 7 is 49 <p>8 x 9 and 9 x 8</p> <ul style="list-style-type: none"> •Get in line, there's a queue... 8 times 9 is 72 •This long line will not do... 9 times 8 is 72 	<p>8 x 8</p> <ul style="list-style-type: none"> •I ate and ate 'til I was sick on the floor... 8 times 8 is 64 <p>9 x 12 and 12 x 9</p> <ul style="list-style-type: none"> •Saving the world is our fate... 9 times 12 is 108 •A beautiful world we'll create... 12 times 9 is 108 <p>6 x 7 and 7 x 6</p> <ul style="list-style-type: none"> •Fancy a trip to the zoo? 6 times 7 is 42 •At the zoo, I saw some poo... 7 times 6 is 42 	<p>6 x 8 and 8 x 6</p> <ul style="list-style-type: none"> •At the doctor's, I had a long wait... 6 times 8 is 48 •The doctor said her name was Kate... 8 times 6 is 48 <p>6 x 12 and 12 x 6</p> <ul style="list-style-type: none"> • Above the clouds, the bird flew... 6 x 12 is 72 • The bird had an amazing view... 12 times 6 is 72 <p>4 x 7 and 7 x 4</p> <ul style="list-style-type: none"> • Zooming down, I roller-skate... 4 times 7 is 28 •Hurtling down towards the gate... 7 times 4 is 28 	<p>12 x 12</p> <ul style="list-style-type: none"> •What's that running past the door? 12 times 12 is 1-4 -4 <p>8 x 12 and 12 x 8</p> <ul style="list-style-type: none"> •I saw a magician doing tricks... 8 times 12 is 96 • This magician had magic sticks... 12 times 8 is 96 <p>6 x 9 and 9 x 6</p> <ul style="list-style-type: none"> • Digging down to the core... 6 times 9 is 54 •I had to dig more and more... 9 times 6 is 54 	<p>4 x 8 and 8 x 4</p> <ul style="list-style-type: none"> • Where's my car? It's brand new... 4 x 8 is 32 • My new car is shiny blue... 8 times 4 is 32 <p>7 x 12 and 12 x 7</p> <ul style="list-style-type: none"> • Carrots taste great, that's for sure... 7 times 12 is 84 • Crunchy carrots, I want more! ... 12 times 7 is 84 <p>11 x 12 and 12 x 11</p> <ul style="list-style-type: none"> •Is that the train leaving for Crewe? ... 11 x 12 is 1-3-2 •Before the train, let's grab a brew... 12 x 11 is 1-3-2

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Autumn 1 Week	1	2	3	4	5	6
Power maths unit	Unit 1: Place value within 100,000	Unit 1 to 2	Unit 2: Place value within 1,000,000	Unit 3: Addition and subtraction	Unit 3: Addition and subtraction	Unit 4: Multiplication and division
Arithmetic	Half termly test Base line assessment of arithmetic passport Add and subtract numbers mentally.	Add and subtract numbers mentally	Add whole numbers with more than 4 digits, using formal written methods.	3 weekly test Subtract whole numbers with more than 4 digits, using formal written methods.	Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000	Use rounding to check answers to calculations
Times tables to teach and assess	TT test out of 99 2, 4, 5, 10	2, 4, 5, 10 and division facts	3, 6, 9	3, 6, 9 and division facts	8 and division facts	7 and division facts

Autumn 2 Week	1	2	3	4	5	6
Power maths unit	Unit 4: Multiplication and division	Unit 5: Fractions	Unit 5: Fractions	Unit 6: Fractions	Unit 6: Fractions	Assessment week Revision/catch up
Arithmetic	Half termly test Multiply and divide numbers mentally drawing upon known facts	Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers	Add and subtract numbers mentally with increasingly large numbers	3 weekly test Divide numbers up to 4 digits by a one-digit number using the formal written method of short division	Multiply and divide whole numbers and decimals by 10, 100 and 1000	Divide numbers up to 4 digits by a one-digit number using the formal written method of short division
Times tables to teach and assess	11 and division facts	12 and division facts	7, 9, 11, 12	7, 9, 11, 12	All times tables	TT test out of 99 All times tables

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Spring 1 Week	1	2	3	4	5	6
Power maths unit	Unit 7: Multiplication and division (2)	Unit 7: Multiplication and division (2)	Unit 8: Fractions	Unit 8 and 9	Unit 9: decimals and percentages	Unit 9: decimals and percentages
Arithmetic	Half termly test Relate place value knowledge Eg. $5 \times 6 = 30$ so $5 \times 600 = 3000$	Add and subtract fractions with the same denominator and denominators that are multiples of the same number.	Multiply proper fractions and mixed numbers by whole numbers	3 weekly test Find fractions of numbers eg. $\frac{3}{8}$ of 400	Know number bonds to 100, 1000 Know number bonds of decimals	Know doubles and halves of decimals
Times tables to teach and assess	TT test out of 99 2, 4, 5, 10	2, 4, 5, 10 and division facts	3, 6, 9	3, 6, 9 and division facts	8 and division facts	7 and division facts

Spring 2 Week	1	2	3	4	5	6
Power maths unit	Unit 10: measure perimeter, area	Unit 10: measure perimeter, area	Unit 11: Graphs and tables	Unit 11: Graphs and tables	Class need	Assessment week Revision/catch up
Arithmetic	Half termly test Recognise square numbers to 12×12	Recall cube numbers to 5 Divide 1000, 100 and 1 into 2, 4, 5 and 10 equal parts	3 weekly test Find percentages of numbers in multiples of 5 and 10. Including, half, quarter, fifth, two fifths and four fifths		Can mentally add two decimal numbers to one decimal place	Multiply and divide whole numbers and decimals by 10, 100 and 1000
Times tables to teach and assess	11 and division facts	12 and division facts	7, 9, 11, 12	7, 9, 11, 12	All times tables	TT test out of 99 All times tables

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Summer 1 Week	1	2	3	4	5	6
Power maths unit	Unit 12: Geometry - properties of shapes	Unit 12: Geometry - properties of shapes	Unit 12 and 13	Unit 13: Geometry - position and direction	Unit 14: Decimals	Unit 14: Decimals
Arithmetic	Half termly test Test analysis	Add and subtract fractions with the same denominator and denominators that are multiples of the same number.	Multiply proper fractions and mixed numbers by whole numbers	3 weekly test Add and subtract whole numbers and decimals with more than 4 digits, using formal written methods.	Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers	Use missing number questions for 4 operations to consolidate inverse
Times tables to teach and assess	TT test out of 99 2, 4, 5, 10	2, 4, 5, 10 and division facts	3, 6, 9	3, 6, 9 and division facts	8 and division facts	7 and division facts

Summer 2 Week	1	2	3	4	5	6
Power maths unit	Unit 14: Decimals	Unit 15: Negative numbers	Unit 16: Measure - converting units	Unit 16: Measure - converting units	Unit 17: Measure - volume	Assessment week Revision/catch up
Arithmetic	Half termly test – Test analysis	Divide numbers up to 4 digits by a one-digit number using the formal written method of short division	Multiply proper fractions and mixed numbers by whole numbers	3 weekly test Find fractions of numbers eg. $\frac{3}{8}$ of 400	Revision/ mixed questions	Revision / mixed questions
Times tables to teach and assess	11 and division facts	12 and division facts	7, 9, 11, 12	7, 9, 11, 12	All times tables	TT test out of 99 All times tables