



A FREE RESOURCE PACK FROM EDUCATIONCITY

Multiplication Tables Check



Mathematics



Teaching Resources



Suitability

Multiplication Tables Check Teaching Resources

What Does This Pack Include?

This pack has been created by teachers, for teachers. In it, you'll find an outline of what you and your class need to know in readiness for the Multiplication Tables Check at the end of Year 4, along with a learning trail of all the Videos, Activities, ThinkIts, Topic Tools, Learn Screens and PlayLive challenges on EducationCity which you can use to underpin this learning.

Multiplication Table Learning Trail	
YEAR 1	YEAR 2
YEAR 3	YEAR 4

Supporting Content	
2 Times Table	10 Times Table
5 Times Table	3 Times Table
Additional Tools for 2, 3, 5 and 10 Times Tables	4 Times Table
8 Times Table	6 Times Table
7 Times Table	9 Times Table
11 Times Table	12 Times Table
Additional Tools for 4, 6, 7, 8, 9, 11 and 12 Times Tables	

Enjoyed these resources?

Why not start a free trial of the full EducationCity resource and see what else we can offer you!

Email us at trials@educationcity.com
or call us on +44 (0)1572 725080!

Year 1 Multiplication Tables Check: Learning Trail

The new Multiplication Tables Check is on its way!

To help you prepare, we've created this Multiplication Table Learning Trail to help you and your class know what they need to know!

YEAR 1	
National Curriculum Objectives:	Count in multiples of 2s, 5s and 10s.
National Curriculum Statutory Requirements:	Students should be taught to solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays, with the support of the teacher.

TERM	LEARNING OBJECTIVES	BEGIN	DEVELOP	SUCCEED
Autumn	Count in 2s up to 12×2 , linking to even numbers and doubles.			
	Count in 10s up to 12×10 , linking to even numbers.			
Spring	Begin to count in 5s up to 12×5 , linking with knowledge and understanding of the 10 times table.			
	Develop fluency of 2 and 10 times tables by counting in multiples.			
Summer	Develop fluency of 2, 10 and 5 times tables by counting in multiples.			
	Solve one-step problems using knowledge and understanding of 2, 5 and 10 times tables, with support of the teacher.			

Year 2 Multiplication Tables Check: Learning Trail

YEAR 2

National Curriculum Objectives:

Count in steps of 2, 3, and 5 from 0, and in 10s from any number, forwards and backwards.

National Curriculum Statutory Requirements:

Students should be taught to:

- recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.
- calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication, division and equals signs.
- show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.
- solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.

TERM	LEARNING OBJECTIVES	BEGIN	DEVELOP	SUCCEED
Autumn	Secure knowledge of 2, 5, and 10 times tables by counting in order, from 0 to 12x.			
	Develop fluency for recalling the 2 and 5 times tables.			
	Develop fluency for recalling the 10 times table, up to 12 x 10, in any order and begin to understand related division.			
Spring	Fluently recall multiples of the 2, 5 and 10 times table, up to 12x.			
	Recall multiples of 2, 5 and 10, up to 12x, and their related division facts with increasing fluency.			
	Recall multiples of 2, 5 and 10, up to 12x, and their inverses with fluency, including calculating missing numbers.			
Summer	Recall multiples of 2, 5 and 10 in any order, including their inverse and calculation of missing numbers fluently.			
	Begin to count in multiples of 3, up to 12 x 3, from 0.			
By the end of KS1	Consolidate learning of 2, 5 and 10 times tables including: - Fluently recall multiples forwards or backwards from any number up to and including 12x. - Fluently recall the inverse calculations from any number up to and including 12x. - Complete missing number questions surrounding the 2, 5 or 10 times table.			
	Solve problems relating to the 2, 5 and 10 times tables.			
	Develop understanding of the commutative law.			
	Begin learning the 3 times tables.			

Year 3 Multiplication Tables Check: Learning Trail

YEAR 3

National Curriculum Objectives:

Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.

National Curriculum Statutory Requirements:

Students should be taught to:

- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
- write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.
- solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.

TERM	LEARNING OBJECTIVES	BEGIN	DEVELOP	SUCCEED
Autumn	Recall multiples of 3 up to 12×3 in any order, including their inverse and calculation of missing numbers with increasing fluency.			
	Count in 4s to 12×4 in order from 0 with increasing fluency.			
	Begin to count in 8s from 0 to 12×8 , using the relationship to the 4 times table to support this learning.			
Spring	Recall multiples of 3 up to 12×3 in any order, including their inverse and calculation of missing numbers fluently.			
	Recall multiples of 4 up to 12×4 in any order including their inverse and calculation of missing numbers with increasing fluency.			
	Count in 8s to 12×8 in order from 0 fluently.			
Summer	Recall multiples of 4 up to 12×4 in any order, including their inverse and calculation of missing numbers fluently.			
	Recall multiples of 8 up to 12×8 in any order, including their inverse and calculation of missing numbers fluently.			
By the end of Year 3	Consolidate learning of 3, 4 and 8 times tables including: <ul style="list-style-type: none"> - Fluently recall multiples forwards or backwards from any number up to and including $12x$. - Fluently recall the inverse calculations from any number up to and including $12x$. - Complete missing number questions surrounding the 3, 4 and 8 times tables. 			
	Continue to practise and recall the 2, 5 and 10 times tables fluidly.			
	Solve problems relating to the 2, 3, 4, 5, 8 or 10 times tables.			
	Use knowledge and understanding of the 2, 3, 4, 5, 8 or 10 times tables to solve problems using the commutative law.			
	Use knowledge and understanding of the 2, 3, 4, 5, 8 or 10 times tables to solve problems linked to other curriculum areas.			

Year 4 Multiplication Tables Check: Learning Trail

YEAR 4

National Curriculum Objectives:

Count in multiples of 6, 7, 9, 25 and 1000.

National Curriculum Statutory Requirements:

Students should be taught to:

- recall multiplication and division facts for multiplication tables up to 12×12 .
- use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.
- recognise and use factor pairs and commutativity in mental calculations.
- multiply two-digit and three-digit numbers by a one-digit number using formal written layout.
- solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one-digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

TERM	LEARNING OBJECTIVES	BEGIN	DEVELOP	SUCCEED
Autumn	Recall multiples of 3, 4 and 8 up to $12x$ in any order, including inverse facts and calculating missing numbers.			
	Recall multiples of 6 in any order, including inverse facts and calculating missing numbers with growing fluency.			
	Count in 7s in order up to 12×7 fluently.			
Spring	Recall multiples of 6 in any order, including inverse facts and calculating missing numbers fluently.			
	Recall multiples of 7 in any order, including inverse facts and calculating missing numbers fluently.			
	Count in 9s in order up to 12×9 fluently.			
	Count in 11s in order up to 12×11 fluently.			
Summer	Recall multiples of 9 in any order, including inverse facts and calculating missing numbers with growing fluency.			
	Recall multiples of 11 in any order, including inverse facts and calculating missing numbers fluently.			
	Count in 12s in order up to 12×12 fluently.			
	Recall multiples of 9 in any order, including inverse facts and calculating missing numbers fluently.			
	Recall multiples of 12 in any order, including inverse facts and calculating missing numbers with growing fluency.			

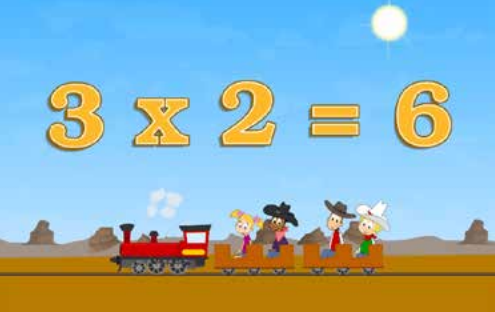
Year 4 Multiplication Tables Check: Learning Trail


TERM	LEARNING OBJECTIVES	BEGIN	DEVELOP	SUCCEED
By the end of Lower KS2	Consolidate learning of 6, 7, 9, 11 and 12 times tables including: - Fluently recall multiples forwards or backwards from any number up to and including 12x. - Fluently recall the inverse calculations from any number up to and including 12x. - Complete missing number questions surrounding the 6, 7, 9, 11 and 12 times tables.			
	Continue to practise and recall the 3, 4 and 8 times tables fluidly.			
	Solve problems relating to each of the times tables.			
	Use knowledge and understanding of inverse operations and the commutative law to solve problems.			
	Use knowledge and understanding of times tables to solve problems linked to other curriculum areas.			

THE NATIONAL CURRICULUM EXPECTATION IS THAT BY THE END OF YEAR 4, CHILDREN ARE ABLE TO RECALL ALL 12 TABLES UP TO 12 X 12.


2 Times Table and 10 Times Table Supporting Content


To help you with filling any gaps in learning or to support current teaching, here's everything we have to help!

2 TIMES TABLE				
	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	2 x Table Song	Video	Listen to and sing the 2 times table song.	25890
	2 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 2 times table.	25490
	Multiplying by 2	Activity	An activity to practise the recall of multiplication facts for the 2 times table.	25525
	Dividing by 2	Activity	An activity to practise the recall of division facts for the 2 times table.	25526
	Moon Mission	Activity	Rapid recall of multiplication and division facts for the 2 times table.	25851

10 TIMES TABLE				
	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	10 x Table Song	Video	Listen to and sing the 10 times table song.	25894
	10 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 10 times table.	25549
	Multiplying by 10	Activity	An activity to practise the recall of multiplication facts for the 10 times table.	25550
	Dividing by 10	Activity	An activity to practise the recall of division facts for the 10 times table.	25551
	Galactic Pit Stop	Activity	Rapid recall of multiplication and division facts for the 10 times table.	25855

5 Times Table and 3 Times Table Supporting Content

5 TIMES TABLE				
	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	5 x Table Song	Video	Listen to and sing the 5 times table song.	25893
	5 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 5 times table.	25740
	Multiplying by 5	Activity	An activity to practise the recall of multiplication facts for the 5 times table.	25741
	Dividing by 5	Activity	An activity to practise the recall of division facts for the 5 times table.	25742
	Planet Hopper	Activity	Rapid recall of multiplication and division facts for the 5 times table.	25853


3 TIMES TABLE				
	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	3 x Table Song	Video	Listen to and sing the 3 times table song.	25897
	3 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 3 times table.	25617
	Multiplying by 3	Activity	An activity to practise the recall of multiplication facts for the 3 times table.	25618
	Dividing by 3	Activity	An activity to practise the recall of division facts for the 3 times table.	25619

Additional Tools for 2, 3, 5 and 10 Times Tables

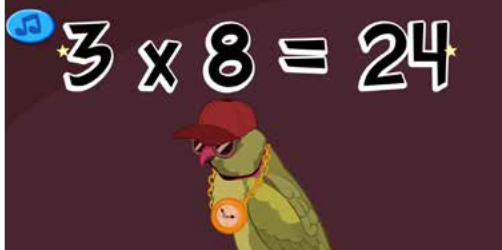
ADDITIONAL TOOLS TO SUPPORT THE LEARNING OF THE 2, 3, 5 AND 10 TIMES TABLES			
CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
Biscuit Arrays	ThinkIt	Find all the different arrays that represent the number 24.	13824
Number Machine	ThinkIt	Identify from the input and output of a number machine the operation that the machine is performing.	13682
Multiplying with 10s	ThinkIt	Use related number facts to multiply with tens and solve the worded problem.	13923
Sharing Stickers	ThinkIt	Identify which numbers can be shared evenly between two people, leading to recognising even numbers.	13798
Grid	Topic Tool	Explore a 10 x 10 multiplication grid.	2002
Mental Maths Test	Topic Tool	Set a customised mental maths test.	1964
Sorting Numbers	Topic Tool	Sort a variety of numbers according to different criteria.	2253
Law and Order II	Learn Screen	Learn through investigation that multiplication is commutative but division is not.	22406
Double Halving	Learn Screen	Discover how things can be doubled, halved or shared.	13630
Field Goal	Activity	Create multiplication calculations to match the repeated additions.	336
Goals, Goals, Goals	Activity	Interpret different division vocabulary in order to divide by 2, 5 and 10.	25576
Football Mad	Activity	Interpret different multiplication vocabulary in order to answer questions on the 2, 5 and 10 times table.	25575
Disco Robot	Activity	Interpret different multiplication and division vocabulary in order to answer questions on the 2, 5 and 10 times tables.	25702
Times Trial	Activity	Multiplication with multiples of 10.	12384
PlayLive Multiplication	PlayLive	Answer multiplication questions from the 2, 5 and 10 times tables. You have 60 seconds and 3 lives to answer as many questions as you can in this online, quick fire, multiplayer game.	25996

4, 8 and 6 Times Tables Supporting Content


4 TIMES TABLE

	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	4 x Table Song	Video	Listen to and sing the 4 times table song.	25899
	4 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 4 times table.	25859
	Multiplying by 4	Activity	An activity to practise the recall of multiplication facts for the 4 times table.	25860
	Dividing by 4	Activity	An activity to practise the recall of division facts for the 4 times table.	25861

8 TIMES TABLE


	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	8 x Table Song	Video	Listen to and sing the 8 times table song.	25900
	8 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 8 times table.	25620
	Multiplying by 8	Activity	An activity to practise the recall of multiplication facts for the 8 times table.	25621
	Dividing by 8	Activity	An activity to practise the recall of division facts for the 8 times table.	25622

6 TIMES TABLE


	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	6 x Table Song	Video	Listen to and sing the 6 times table song.	25905
	6 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 6 times table.	25604
	Multiplying by 6	Activity	An activity to practise the recall of multiplication facts for the 6 times table.	25605
	Dividing by 6	Activity	An activity to practise the recall of division facts for the 6 times table.	25606

7, 9 and 11 Times Tables Supporting Content

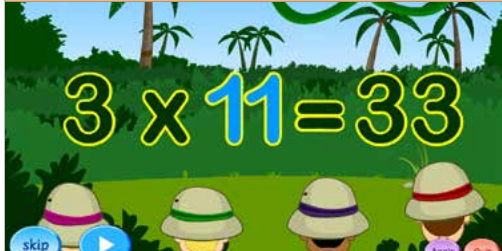
7 TIMES TABLE

	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	7 x Table Song	Video	Listen to and sing the 7 times table song.	25907
	7 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 7 times table.	25563
	Multiplying by 7	Activity	An activity to practise the recall of multiplication facts for the 7 times table.	25564
	Dividing by 7	Activity	An activity to practise the recall of division facts for the 7 times table.	25565


9 TIMES TABLE

	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	9 x Table Song	Video	Listen to and sing the 9 times table song.	25903
	9 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 9 times table.	25592
	Multiplying by 9	Activity	An activity to practise the recall of multiplication facts for the 9 times table.	25593
	Dividing by 9	Activity	An activity to practise the recall of division facts for the 9 times table.	25594

11 TIMES TABLE

	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	11 x Table Song	Video	Listen to and sing the 11 times table song.	25908
	11 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 11 times table.	25864
	Multiplying by 11	Activity	An activity to practise the recall of multiplication facts for the 11 times table.	25865
	Dividing by 11	Activity	An activity to practise the recall of division facts for the 11 times table.	25866

12 Times Tables and Additional Tools for 4, 6, 7, 8, 9, 11 and 12 Times Tables

12 TIMES TABLE				
	CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
	12 x Table Song	Video	Listen to and sing the 12 times table song.	25909
	12 x Challenge	Activity	An activity to practise the recall of multiplication and division facts for the 12 times table.	25725
	Multiplying by 12	Activity	An activity to practise the recall of multiplication facts for the 12 times table.	25726
	Dividing by 12	Activity	An activity to practise the recall of division facts for the 12 times table.	25727

ADDITIONAL TOOLS TO SUPPORT THE LEARNING OF THE 4, 6, 7, 8, 9, 11 AND 12 TIMES TABLES				
CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID	
Disco Robot	Activity	Quick timed exercise on multiplication up to 10 x 10.	453	
	Activity	Continue with simple multiplications and extend to the 6, 7, 8 and 9 times tables.	909	
Football Mad	Activity	Use written multiplication methods (repeated addition/scaling) to support multiplication and related vocabulary.	381	
Hot Seat	Activity	Identify the appropriate number operation to solve the problem - Number Operations.	414	
	Activity	Identify the appropriate number operation to solve the problem - Choose the Operation.	357	
	Activity	Solve word problems involving numbers 'in real life' - Operations with words.	415	
	Activity	Identify the appropriate number operation to solve a problem - Identifying Operations.	443	
	Activity	Solve word problems involving numbers 'in real life' - Solving Problems with Words.	444	
Quiz Show Star	Activity	Use known multiplication and division facts to identify the missing number in calculations. Includes 2, 3, 4, 5 and 8 multiplication and division facts and written multiplication of a 2-digit number by a 1-digit number.	34524	
Rapid Maths	Activity	Use mental methods to calculate multiplication and division questions.	32095	

Additional Tools for 4, 6, 7, 8, 9, 11 and 12 Times Tables

ADDITIONAL TOOLS TO SUPPORT THE LEARNING OF THE 4, 6, 7, 8, 9, 11 AND 12 TIMES TABLES			
CONTENT NAME	TYPE	DESCRIPTION	CONTENT ID
Water Raider	Activity	Recognise multiples of 6, 7, 8 and 9.	447
	Activity	Recognise multiples of 7, 8, 9 and 12, and recognise methods of divisibility.	475
Dancing Robot	Activity	Rapid recall of number facts and use known facts to derive unknown facts.	482
	Activity	Rapid recall of multiplication and division facts.	483
Puppy in the Window	Activity	Work out the missing digit from short division.	1660
Secret Agent Sten	Activity	Rapid recall of number facts and use known facts to derive unknown facts.	33102
Inverse Operations	ThinkIt	Use knowledge of inverse operations to solve the number problem, involving multiplication and division.	13812
Number Sequences	ThinkIt	Help Sten find the missing numbers from each sequence so he can complete his computer game.	14181
Grid	Topic Tool	Explore a 12 x 12 multiplication grid.	2000
Mental Maths	Topic Tool	Set a customised mental maths test.	1968
Sorting Numbers	Topic Tool	Sort a variety of numbers according to different criteria.	2253
PlayLive Multiplication	PlayLive	Answer multiplication and division questions from the 2, 3, 4, 5 and 10 times tables. You have 60 seconds and 3 lives to answer as many questions as you can in this online, quick fire, multiplayer game.	25998
PlayLive Division	PlayLive	Answer multiplication and division questions from the 2, 3, 4, 5 and 10 times tables. You have 60 seconds and 3 lives to answer as many questions as you can in this online, quick fire, multiplayer game.	26003

About EducationCity

EducationCity produces fun, educational materials to engage students in learning and empower teachers to tailor their teaching. [Take a look at how EducationCity can support you in the classroom:](#)



Target Lesson Objectives Easily

Find relevant content that links to your curriculum by using our Curriculum Map or Search tool.

Comprehensive and clearly organised by strand, content is so easy to access!



Plan in Advance

When planning your lessons, choose your Activities in advance and put them into a MyCity so they're easy for students to access. Choose a meaningful name for each MyCity and you'll be able to update and retrieve them year after year!



Differentiated Teaching

Monitor progress with SuccessTracker and you'll be able to identify the strengths and areas of development for each of your students and so choose relevant activities to help them progress.



Flexible Learning

EducationCity is accessible via desktops, laptops, tablets and whiteboards, so can support you whatever equipment is available in your classroom.



Lesson Plans

Access our ready-made Lesson Plans and topical content to support teaching and learning in the classroom.

There's more to EducationCity than Activities alone!



Blog

Keep abreast of events in the teaching arena, changes to the resource, and see how EducationCity is supporting the education community.



"Teachers have been delighted with the content of this package and most impressed with how easy it is to find appropriate learning and teaching resources and then to use them in a variety of ways."

Mark Sanderson,

Senior ICT Consultant, Herefordshire Learning and Achievement Service

Want to find out more about EducationCity?

Start a free trial for your school today and see it for yourself. Simply call us on +44 (0)1572 725080 or email trials@educationcity.com to arrange.

Website: www.educationcity.com
Email: trials@educationcity.com