



Excellence, Enjoyment,
Achievement

Parents' Guide to Learning the Times Tables

4x2

5x2

6x2

Times Tables Aims and Guidelines

At Chyngton we are committed to equipping all children with mathematical life skills. Learning their times tables is **KEY!**

Children need to become fluent in their times tables through varied and frequent practice so that they are able to recall and apply their knowledge rapidly and accurately to problems:-

Year 2 2, 5 and 10

Year 3 3, 4 and 8

Year 4 Know all multiplication up to 12×12

Year 5 Apply all multiplication tables and related division facts, and use them confidently to make larger calculations

Year 6 Continue to use all multiplication tables to calculate mathematical statements in order to maintain fluency



Fun ideas for practising multiplication and division facts at home



Times tables Bingo

Write six multiples of one of your child's target times table in a bingo grid. Shuffle a set of cards marked 1 to 10 and place them in a pile face down. Turn over the top card and multiply it by your target number. For example, you are working on the multiples of 5 (target number) and you turn over a card showing 6. $5 \text{ multiplied by } 6 = 30$, so if you have 30 on your board you can cross it out. The winner is the person who crosses out all their numbers first!

Rap or song

Make up a rap or a song to help your child remember a times table, or specific fact, which they are struggling to remember.

Beat the calculator

In pairs, one with a calculator, one without, each works out the answer to a calculation aiming for the one without the calculator to say the answer first!

Multiplication Grid

Complete as much of a multiplication grid as you can, focusing on those that are your child's target. Once your child can do them all, they can start timing themselves, keeping a record of their best time. Completed multiplication grid further on in this booklet, along with blank grids after.

Poster

Create a poster of their target times table and use it to practise with.

Snap Cards

Make a set of cards, some with multiplication and/or division questions on, and others with the answers. Use the cards to play snap or pairs!

What's the question?

The answer is 24, 'What's the multiplication question?' 12×2 , 2×12 , 4×6 , 6×4 , 8×3 or 3×8 . My answer is 8, 'What's the division question?' $16 \div 2$, $80 \div 10$, $64 \div 8$. Make it harder by children only being able to answer using facts on their target times tables.

Turn the tables

You need a pack of cards with picture cards removed. Choose one of your child's target times tables such as the 7 times table. Share them out between the two players. Together turn over the top card from each player's piles. Put them together to make a double digit number. Is the number in your chosen table? If so, the first person to call out the corresponding calculation wins the pile of cards. Whoever collects all the cards is the winner. Can be played for multiplication and/or division. One of many games you can play with cards.



4 and 2 make 42:
 6×7

4 and 2 make 42:
 $42 \div 7 = 6$

Helping your child with their tables

Depending on your child's year group, they will be familiar with the 2, 3, 4, 5 and 10 times tables. Some children will be learning the 6, 7 and 8 times tables. Once you know the first few tables you actually know more than you think. The order does not matter, for example, if you know 'five eights' you also know 'eight fives'. This only leaves 6 difficult ones to learn. You can help your child memorise these one at a time.

$$6 \times 6 = 36$$

$$6 \times 7 = 42$$

$$7 \times 7 = 49$$

$$6 \times 8 = 48$$

$$7 \times 8 = 56$$

$$8 \times 8 = 64$$

$$(\text{and } 7 \times 6 = 42)$$

$$(\text{and } 8 \times 6 = 48)$$

$$(8 \times 7 = 56)$$



Times tables tricks!

2 x Just double

4 x Double and then double again

5 x Half of x 10

6 x These answers are just double those in the 3 x tables

7 x Turn it around. For 4×7 , do 7×4

8 x Double, double and then double again!

9 x All of the digits add up to 9 ($9 \times 4 = 36$, $3 + 6 = 9$)

THE FUN FINGER TRICK!

11 x Both digits are the same – for answers up to 100

12 x Add $\times 10$ and $\times 2$ together. For 12×4 , do $10 \times 4 = 40$, $2 \times 4 = 8$, then $40 + 8 = 48$

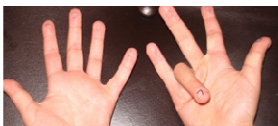
REMEMBER!

If you know a multiplication fact, for example, $7 \times 5 = 35$, not only do you know $5 \times 7 = 35$, but you also know some division facts:

$$35 \div 5 = 7 \text{ and}$$

$$35 \div 7 = 5$$

9 x FUN FINGER TRICK



1. Spread your fingers out in front of you.
2. For 9×7 bend your seventh finger down. (9×5 would be the fifth finger etc.)
3. You have 6 fingers (the tens) to the left of the bent finger and 3 to the right (the units)
4. The answer is 63. *This works for the 9 times tables up to 10.*

Out and about

There are always opportunities to relate maths to real life. For example, if our fish 'n' chips costs £6 each, how much is it for the whole family.

REMEMBER!

Multiplication is repeated addition

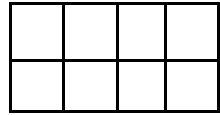
Division is repeated subtraction

Multiplication is Commutative

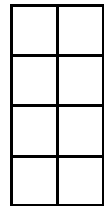
(Commutative means that it does not matter which way around the numbers go, so 3×4 is the same as 4×3).

$$2 \times 4 = 4 \times 2$$

This can be demonstrated very easily by drawing a rectangle 4 squares by 2:



Here you have 2 rows of 4 squares but it is exactly the same if you turn it around so that there are 4 rows of 2 squares. You still have 8 squares in total.



This is another good time to get out the sweets! Large bars of chocolate are ordered into these rows & columns, or you could lay out Smarties into different arrays.

Use mnemonics to aid the memory

I ate and ate `till I was sick on the floor:

8 times 8 is 64!

Wakey, wakey, rise and shine:

seven 7s are 49!

Make up some of your own :

$$7 \times 8 = 56 \quad 56 = 7 \times 8$$



Multiplication grid

×	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

Useful websites:-

<http://resources.woodlands-junior.kent.sch.uk/maths/timestable/interactive.htm>

<http://www.topmarks.co.uk/maths-games/7-11-years/multiplication-and-division>

http://www.mad4maths.com/multiplication_table_math_games/

My Times Tables

Now that you have tried the whole grid, you know which times tables you need to practise more!

The grids below are for filling in your own margins. Choose the tables that you are currently working on.

X				

X				

X				

X				