



The Gateway Primary Academy

Times Tables Whole School Overview

Expectations for times tables in each year group:

Year 1	Count in multiples of 2, 5 and 10. Recall and use all doubles to 10 and corresponding halves.
Year 2	Recall and use multiplication and division facts for the 2, 5 and 10 times tables including recognising odd and even numbers.
Year 3	Recall and use multiplication and division facts for the 3, 4, 6 and 8 times tables. Use doubling strategies e.g. is $3 \times 3 = 9$ what is 3×6 ?
Year 4, 5 and 6	Recall and use multiplication and division facts up to 12×12 .

Useful websites

Times Tables Rockstars - <https://ttrockstars.com/>

Topmarks games - <https://www.topmarks.co.uk/>

Education City - <https://www.educationcity.com/>

Ideas for practise

Times tables card game

This is a game for two or more players. Firstly, choose a focus times table. The pack of playing cards is dealt out among the players in face-down stacks as equally as possible. The first player begins by repeatedly removing a card from the top of their stack and placing it face-up on a central pile. As they do so they should say the product of that card and the chosen times table. Let the Ace represent one, Jack eleven, Queen twelve and King thirteen.

The first player continues to ditch cards one by one until they get a King, an Ace or they make a mistake. At which point play passes to the next player on their left. The first player to ditch all of their cards is the winner.

Dice game

Roll a dice twice, multiply the answers as quickly as you can and give a matching division fact. You could play against someone else for points!

Board games

You could create your own version of snakes and ladders with times tables questions on it. In school we have played multiplication battleships using a blank multiplication square.

Write out a set of multiplication/division questions. Time yourself solving them, then repeat and see if you can beat your time!

There are also board games in the maths cupboard for times tables practise.

Multiplication Grids

Use these for starters or early work, change the columns/rows to ones you are focusing on. Children could time themselves or see how many they can do in 5 minutes etc.

Music, songs and chanting

Bingo

Counting sticks

Matching pairs

Make cards of a multiplication or division and the answer. Turn over all the cards and play pairs against someone.

Treasure Hunt type game

Set up markers around the playground with the answers to multiplication questions on them. Give groups different pieces of paper with a times tables question. They have to find the marker which has the answer to their question to get the next clue (placed at the marker with the answer). Time it to see how long it takes them. To increase the amount of exercise, place the markers further apart.

Skipping games: chant the multiples of the times tables as you skip

Pass the Bean Bag - stand in a circle and ask a question, they have to pass the beanbag to another person to answer and pass again

Strategies for teaching times tables

1. Repeated addition 4×5 is the same as $5 + 5 + 5 + 5$. (You could use Numicon for this)
2. Multiplication commutative 4×5 is the same as 5×4 . Use arrays to support this.
3. Multiplication is the inverse of division $20 \div 5 = 4$ can be worked out because $5 \times 4 = 20$.
4. Number families $4 \times 5 = 20$, $5 \times 4 = 20$, $20 \div 5 = 4$, $20 \div 4 = 5$.