



Key Instant Recall Facts

Year 3 – Autumn 2

Key Vocabulary
 multiplication
 multiplied
 times
 groups of
 equal groups
 division
 divide
 share equally
 total
 facts

I aspire to know the multiplication and division facts for the 3 times tables.

By the end of this half term, you should be able to know your 3 times table up to 12×3 and the related division facts.

| 3 Times Table | | |
|---------------|------------|------|
| 0 | $\times 3$ | = 0 |
| 1 | $\times 3$ | = 3 |
| 2 | $\times 3$ | = 6 |
| 3 | $\times 3$ | = 9 |
| 4 | $\times 3$ | = 12 |
| 5 | $\times 3$ | = 15 |
| 6 | $\times 3$ | = 18 |
| 7 | $\times 3$ | = 21 |
| 8 | $\times 3$ | = 24 |
| 9 | $\times 3$ | = 27 |
| 10 | $\times 3$ | = 30 |
| 11 | $\times 3$ | = 33 |
| 12 | $\times 3$ | = 36 |

| | | | | | |
|----|----|----|----|----|----|
| 3 | 6 | 9 | 12 | 15 | 18 |
| | | | | | |
| 21 | 24 | 27 | 30 | 33 | 36 |
| | | | | | |

Your Home learning this half term...

Key Questions

How many equal groups are there?
 How many are in each group?
 What is the total?
 What are we dividing by?
 How many equal groups can we make?

Top Tips

The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey?

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| Challenge 1: Practical activity | Give a multiplication problem, e.g., 4×3 . They must create 4 groups of 3 items each using the bowls/plates and objects. They then count the total to find the answer (12). |
| Challenge 2: Practical activity | Give your child a total number of objects that is a multiple of three, e.g., 18. Ask them to divide the objects into groups of three and count how many groups they made (6). (Alternatively, ask them to divide the 18 objects into 3 equal groups and count how many are in each group). |
| Challenge 3: Increasing fluency | Play hit the button- 3 times tables https://www.topmarks.co.uk/maths-games/hit-the-button |
| Challenge 4: Increasing accuracy | Learn the 3 times table song and explore BBC bitesize. There's even a quiz! https://www.bbc.co.uk/teach/supermovers/articles/z6sw382 |
| Challenge 5: Problem Solving | Solve the word problems. Multiplication: "A baker puts 3 sprinkles on each cupcake. If she has 7 cupcakes, how many sprinkles does she use in total?" ($7 \times 3 = 21$) Division (Grouping): "Liam has 15 toy cars. He wants to line them up in rows with 3 cars in each row. How many rows can he make?" ($15 \div 3 = 5$ rows). Tip: Encourage the child to draw a simple picture or use the objects |
| Challenge 6: Reasoning | Look at the set of statements (some correct, some incorrect) related to the three times tables. Ask your child to determine if the statement is True or False and explain why. Statement: If you multiply 8×3 , the answer is 21. (False, because $8 \times 3 = 24$) Statement: You can share 17 apples equally among 3 friends. (False, because 17 is not a multiple of 3, there would be a remainder/leftover.) Statement: Knowing that $5 \times 3 = 15$ helps me know the answer to $15 \div 3$. (True, because multiplication and division are inverse operations.) |