



Goldsmith Golden Number Facts

Year 3 Autumn 1 Half Term Homework 2019

Each half term, we set maths homework to reinforce number skills that help the children to become more successful in their learning. We ask that parents use the information below to support their child in practicing these 3x weekly; parents can also find further support on the school website.

A key part of home practice is to work with your child to ensure they are secure in recognising the place value of each digit in a three-digit number (hundreds, tens and ones).

Additionally by the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly**...

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

Key Questions

Examples:
 What is 7 **times** 3?
 What is 12 **divided by** 3?
 What is 3 multiplied by 8?

They should be able to answer these questions in any order, including missing number questions -

e.g. $2 \times \square = 6$ or $12 \div 3 = \square$

Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these golden facts while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

Songs and chants- creating songs/chants or finding them online can often help children to memorise better!

Buy one and get three free- If your child knows one fact (e.g. $3 \times 5 = 15$), can they tell you the other three facts in the same fact family?

To extend: Log in to <https://trockstars.com/>. Timestables rockstarz is a brilliant website, packed with fun games and challenges for your child to get to grips with key multiplication facts!

To further extend: Can your child count from 0 in multiples of 3, 4, 8, 50 and 100? Encourage them to find 10 or 100 more or less than a given number.