



## Maths Newsletter KS2 Autumn 2019

Supporting children to develop their maths skills continues to be an important focus for us at Gig Mill and we would not be able to do this without your support. Please continue to make sure that children are completing their maths homework each week and supporting children in learning key fluency skills.

### Fill up a fact box

Children are often asked to collect what they know about a number in a fact box. This box focuses on patterns in multiples and is particularly useful in multiplication and division. How quickly can you fill one in? Can you beat your time? Can you combine facts within the box to make new facts?

Fact box		Fact box	
Multiple	Product	Multiple	Product
1 x 6		30 x 6	
2 x 6		40 x 6	
4 x 6		50 x 6	
10 x 6		60 x 6	
5 x 6		70 x 6	
20 x 6		80 x 6	
100 x 6		90 x 6	
50 x 6		1,000 x 6	

At Gig Mill, we seek to ensure that all children leave with the fundamental skills they need to ensure they are successful in later life. We follow a system of teaching mastery in maths. This means that all children develop a deep and secure understanding of all mathematical skills relative to their age and year group. Children are further stretched from this into activities that deepen their learning and understanding encouraging them to justify and explain. The structure of learning is carefully crafted through concrete (practical objects), pictorial (using pictures) and abstract (formal written methods) methods to ensure children develop a deep conceptual understanding of maths. Activities are carefully selected and crafted to deepen learning, encouraging justifying and explaining. Year 1 – 3 are currently using Maths No Problem.

### MATHS SELFIE

The Maths Team is launching Maths Selfie to encourage more children to think about how they use maths outside of school and in everyday life. We challenge the children to take a selfie of them doing something related to maths outside of school. This could be with a shape, counting money in a shop, measuring and weighing when cooking, measuring the length of something, or anything else you can think of to do with maths.

Please email your maths selfie to [info@gig-mill.dudley.sch.uk](mailto:info@gig-mill.dudley.sch.uk) and the pictures will be displayed on a board in school. By emailing your picture you accept that your child's photo can be displayed in school and on the website.

There will be a prize for the best maths selfie!

### Christmas Maths Puzzle

Father Christmas can't decide which of the 20 reindeer to choose to pull the sleigh. The reindeers are all in stables numbered 1 to 20. He decides he will ask his 20 elves to help him choose. The first elf unlocks all of the stable doors. The second elf locks or unlocks every second stable door. The third elf locks or unlocks every third stable door and so on all the way to 20. Whichever stable doors are open after the 20<sup>th</sup> elf has been to stable 20 will be allowed to pull the sleigh. Which reindeers are chosen? What do you notice about their numbers? Which reindeers would be chosen if he had 100 reindeers and 100 elves?



Name: \_\_\_\_\_

# Times Tables Rock Stars

# 2,3,4,5,6,7,8,9,10,11,12 Times Tables

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1	$2 \times 6 =$ _____	21	$3 \times 8 =$ _____	41	$7 \times 7 =$ _____
2	$3 \times 4 =$ _____	22	$12 \times 3 =$ _____	42	$6 \times 4 =$ _____
3	$12 \times 11 =$ _____	23	$11 \times 4 =$ _____	43	$8 \times 10 =$ _____
4	$4 \times 1 =$ _____	24	$3 \times 10 =$ _____	44	$12 \times 10 =$ _____
5	$12 \times 12 =$ _____	25	$8 \times 3 =$ _____	45	$3 \times 11 =$ _____
6	$9 \times 11 =$ _____	26	$9 \times 11 =$ _____	46	$3 \times 7 =$ _____
7	$6 \times 8 =$ _____	27	$7 \times 5 =$ _____	47	$9 \times 11 =$ _____
8	$10 \times 10 =$ _____	28	$8 \times 8 =$ _____	48	$5 \times 2 =$ _____
9	$5 \times 5 =$ _____	29	$5 \times 6 =$ _____	49	$1 \times 3 =$ _____
10	$6 \times 1 =$ _____	30	$2 \times 1 =$ _____	50	$11 \times 4 =$ _____
11	$4 \times 12 =$ _____	31	$11 \times 10 =$ _____	51	$3 \times 11 =$ _____
12	$2 \times 3 =$ _____	32	$7 \times 11 =$ _____	52	$9 \times 8 =$ _____
13	$5 \times 5 =$ _____	33	$11 \times 7 =$ _____	53	$7 \times 2 =$ _____
14	$4 \times 4 =$ _____	34	$7 \times 11 =$ _____	54	$1 \times 10 =$ _____
15	$9 \times 3 =$ _____	35	$9 \times 3 =$ _____	55	$5 \times 3 =$ _____
16	$7 \times 5 =$ _____	36	$4 \times 5 =$ _____	56	$3 \times 4 =$ _____
17	$7 \times 5 =$ _____	37	$5 \times 6 =$ _____	57	$12 \times 12 =$ _____
18	$2 \times 3 =$ _____	38	$6 \times 5 =$ _____	58	$4 \times 2 =$ _____
19	$2 \times 4 =$ _____	39	$12 \times 9 =$ _____	59	$6 \times 11 =$ _____
20	$12 \times 6 =$ _____	40	$1 \times 8 =$ _____	60	$10 \times 3 =$ _____

Time taken

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🕒 3 minute time limit 🕒

Score

60
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What's your rock status?

WANNABE

< 18 correct in 3 mins

GARAGE BAND

18-19 correct in 3 mins

BUSKER

20-21 correct in 3 mins

GIGGER

22-24 correct in 3 mins

UNSIGNED ART

25-29 correct in 3 mins

BREAKTHROUGH ARTIST

30-35 correct in 3 mins

SUPPORT ART

36-44 correct in 3 mins

HEADLINER

45-59 correct in 3 mins

ROCK STAR

All correct in  $\leq$  3mins

ROCK LEGEND

All correct in  $\leq$  2min

ROCK HERO

All correct in  $\leq$  1 min

TIMES TABLES  
ROCK STARS