



COLESHILL *C of E*
PRIMARY SCHOOL
AND **NURSERY**

Gold Award Practise Pack



Name _____

This is a Gold booklet, which focusses on the 8, 9, 12 and a super challenge as we look at 15 times tables. We request that the children practise these times tables at home and school on a regular basis, and they will be tested on these weekly, in a format shown at the back of the booklet. When the children can answer all of these times tables accurately and timely, they will move onto **The Masters booklet!**

Tips for helping your child to learn their times tables:

- ~Regular practise (at least 3 times a week)
- ~Chant / sing songs
- ~Play games
- ~Demonstrate
- ~Stick up a chart

Useful websites:

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

<http://www.ictgames.com/resources.html>

<http://www.mymaths.co.uk>

<http://www.fun4thebrain.com/division.html>

Tablet apps:

Squeebles

Multiplication trainer

Maths Practice

Splash Maths 7-9

Splash Maths 8-10

We thank you in advance for your support.

Dear student mathematician,

You are working on Gold times tables, which are the 8, 9, 12 and 15 (Super challenge) times tables. It is very important that you practise these as often as you can to improve your speed and accuracy.

Each week, you will be tested on these.

How quickly can you answer 48 times tables questions?

Tips to help you learn your times tables:

- ~Chant each times table out loud: *'four times two is eight'*
- ~Make a rhyme
- ~Can you do it backwards, starting with $12 \times ?$
- ~Ask someone to test you in a random order.

8 Times Table

$1 \times 8 = 8$	$5 \times 8 = 40$	$9 \times 8 = 72$
$2 \times 8 = 16$	$6 \times 8 = 48$	$10 \times 8 = 80$
$3 \times 8 = 24$	$7 \times 8 = 56$	$11 \times 8 = 88$
$4 \times 8 = 32$	$8 \times 8 = 64$	$12 \times 8 = 96$

Top Tip:

8 × all of the numbers in the 8 times tables are even.

Can you spot the pattern? The ones digits go down in 2s (8, 6, 4, 2, 0)



Self assessment: 😊 😐 😞

Parent/guardian's comments/signature:

Dividing by 8

Half your number three times. So in example 1, you need to divide 128 by 8. So half of 128 is 64, half of 64 is 32 and half of 32 is 16.

$8 \div 8 = 1$	$40 \div 8 = 5$	$72 \div 8 = 9$
$16 \div 8 = 2$	$48 \div 8 = 6$	$80 \div 8 = 10$
$24 \div 8 = 3$	$56 \div 8 = 7$	$88 \div 8 = 11$
$32 \div 8 = 4$	$64 \div 8 = 8$	$96 \div 8 = 12$

Self-assessment: 😊 😐 😞

Parent/guardian's comments/signature:

Circle the multiples of 8

32 55

88 13

26 88

40 38

80 35

90 32

80 70

24 22

96 33

14 16

57 24

52 88

82 48

56 61

30 16

66 80

44 40

48 65

56 74

32 15

64 93

78 96

8 94

29 72

72 77

92 72

48 23

40 47

16 75

40 67

31 72

76 8

50 56

8 45

73 16

62 24

60 88

68 40

96 83

56 21

8 17

48 87

80 18

69 96

24 89

64 84

28 8

12 88

9 Times Table

$1 \times 9 = 9$	$5 \times 9 = 45$	$9 \times 9 = 81$
$2 \times 9 = 18$	$6 \times 9 = 54$	$10 \times 9 = 90$
$3 \times 9 = 27$	$7 \times 9 = 63$	$11 \times 9 = 99$
$4 \times 9 = 36$	$8 \times 9 = 72$	$12 \times 9 = 108$

Top Tip:

9 × has a pattern: 9, 18, 27, 36, 45, 54, 63, 72, 81, 90

Notice how the 'ones' go down: 9,8,7,6, ...? And the 'tens' go up: 1,2,3, ...?
Your hands can help! Example: to multiply 9 by 8: hold your 8th finger down, and you can count "7" and "2" ... the answer is 72.



Self assessment: 😊 😐 ☹️

Parent/guardian's comments/signature:

Dividing by 9

Similar to the divide by 3 rule, if the sum of all the digits is divisible by 9, then the entire number is divisible by 9. For example, we know that 18332145 is divisible by 9 because $1+8+3+3+2+1+4+5 = 27$ and $27 \div 9 = 3$.

$9 \div 9 = 1$	$45 \div 9 = 5$	$81 \div 9 = 9$
$18 \div 9 = 2$	$54 \div 9 = 6$	$90 \div 9 = 10$
$27 \div 9 = 3$	$63 \div 9 = 7$	$99 \div 9 = 11$
$36 \div 9 = 4$	$72 \div 9 = 8$	$108 \div 9 = 12$

Self-assessment: 😊 😐 ☹️

Parent/guardian's comments/signature:

Find the Word!

Answer the multiplication and division questions below (watch out because some are quite tricky!) then find the answer in the grid, colour it in and reveal a hidden word.

Remember to check your answer by adding the digits together to see if they total 9!

41	26	31	76	3	89	432	41	98	56	22	75	87	123
65	55	24	82	65	132	243	634	29	92	131	80	467	23
27	90	666	4	36	450	67	1	45	18	48	11	33	19
8	100	322	54	35	99	678	10	546	720	22	40	16	38
180	89	87	81	500	7	530	540	230	9	19	60	47	78
6	72	69	270	2	360	430	630	5	30	21	810	63	12
58	43	13	31	28	95	80	621	479	970	140	239	41	71
42	16	214	546	870	909	571	782	47	101	91	23	52	17

$$9 \times 3 =$$

$$9 \times 6 =$$

$$9 \times 8 =$$

$$9 \times 10 =$$

$$9 \times 5 =$$

$$9 \times 20 =$$

$$9 \times 50 =$$

$$9 \times 2 =$$

$$9 \times 4 =$$

$$9 \times 7 =$$

$$9 \times 9 =$$

$$9 \times 11 =$$

$$9 \times 30 =$$

$$9 \times 60 =$$

$$54 \div 9 =$$

$$72 \div 9 =$$

$$36 \div 9 =$$

$$18 \div 9 =$$

$$9 \div 9 =$$

$$9 \times 40 =$$

$$9 \times 70 =$$

$$90 \div 9 =$$

$$63 \div 9 =$$

$$45 \div 9 =$$

$$99 \div 9 =$$

$$81 \div 9 =$$

$$9 \times 80 =$$

$$9 \times 90 =$$

$$360 \div 9 =$$

$$540 \div 9 =$$

$$270 \div 9 =$$

12 Times Table

$1 \times 12 = 12$	$5 \times 12 = 60$	$9 \times 12 = 108$
$2 \times 12 = 24$	$6 \times 12 = 72$	$10 \times 12 = 120$
$3 \times 12 = 36$	$7 \times 12 = 84$	$11 \times 12 = 132$
$4 \times 12 = 48$	$8 \times 12 = 96$	$12 \times 12 = 144$

Top Tip:

12x Note that 12 is $10 + 2$, so $12 \times \text{something}$ is $10 \times \text{something} + 2 \times \text{something}$.

Example: $4 \times 12 =$
 $10 \times 4 = 40 + 2 \times 4 = 8$
 $40 + 8 = 48$



Self assessment: 😊 😐 😞

Parent/guardian's comments/signature:

Dividing by 12

A number is divisible by 12 if it is divisible by 3 and by 4..

$12 \div 12 = 1$	$60 \div 12 = 5$	$108 \div 12 = 9$
$24 \div 12 = 2$	$72 \div 12 = 6$	$120 \div 12 = 10$
$36 \div 12 = 3$	$84 \div 12 = 7$	$132 \div 12 = 11$
$48 \div 12 = 4$	$96 \div 12 = 8$	$144 \div 12 = 12$

Self-assessment: 😊 😐 😞

Parent/guardian's comments/signature:

5 x 12 =	1 x 12 =	9 x 12 =	10 x 12 =	4 x 12 =
9 x 12 =	2 x 12 =	6 x 12 =	7 x 12 =	5 x 12 =
1 x 12 =	3 x 12 =	0 x 12 =	4 x 12 =	7 x 12 =
9 x 12 =	1 x 12 =	2 x 12 =	0 x 12 =	4 x 12 =
1 x 12 =	5 x 12 =	0 x 12 =	6 x 12 =	3 x 12 =
3 x 12 =	6 x 12 =	5 x 12 =	10 x 12 =	0 x 12 =
4 x 12 =	5 x 12 =	8 x 12 =	3 x 12 =	9 x 12 =
9 x 12 =	6 x 12 =	4 x 12 =	7 x 12 =	3 x 12 =
3 x 12 =	9 x 12 =	7 x 12 =	10 x 12 =	4 x 12 =
4 x 12 =	3 x 12 =	6 x 12 =	2 x 12 =	8 x 12 =
0 x 12 =	4 x 12 =	10 x 12 =	3 x 12 =	2 x 12 =
5 x 12 =	9 x 12 =	3 x 12 =	8 x 12 =	7 x 12 =
6 x 12 =	4 x 12 =	1 x 12 =	2 x 12 =	5 x 12 =
1 x 12 =	2 x 12 =	7 x 12 =	10 x 12 =	4 x 12 =
0 x 12 =	8 x 12 =	3 x 12 =	7 x 12 =	1 x 12 =
8 x 12 =	2 x 12 =	10 x 12 =	0 x 12 =	3 x 12 =
7 x 12 =	5 x 12 =	9 x 12 =	4 x 12 =	8 x 12 =
5 x 12 =	4 x 12 =	8 x 12 =	3 x 12 =	6 x 12 =
9 x 12 =	10 x 12 =	7 x 12 =	6 x 12 =	0 x 12 =
5 x 12 =	3 x 12 =	4 x 12 =	0 x 12 =	6 x 12 =

Super Challenge! 15 Times Table

Coleshill Primary

Although the times table requirements are up to the 12 times table, here at Sawley Juniors we like to aim higher! Let's challenge ourselves with the 15 times tables!

$1 \times 15 = 15$	$5 \times 15 = 75$	$9 \times 15 = 135$
$2 \times 15 = 30$	$6 \times 15 = 90$	$10 \times 15 = 150$
$3 \times 15 = 45$	$7 \times 15 = 105$	$11 \times 15 = 165$
$4 \times 15 = 60$	$8 \times 15 = 120$	$12 \times 15 = 180$

Top Tip:

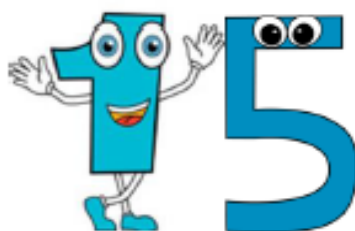
15x Numbers in the 15 times tables will always end in a 5 or a 0.

Note that 15 is $10 + 5$, so $15 \times \text{something}$ is $10 \times \text{something} + 5 \times \text{something}$.

Example: $6 \times 15 =$

$$10 \times 6 = 60 + 5 \times 6 = 30$$

$$60 + 30 = 90$$



Self-assessment: 😊 😐 😞

Parent/guardian's comments/signature:

Gold Times Tables Challenge

Can you complete a times table race in 5 minutes or under?

Good Luck!

Top Tip: Why not record your time at home and see if you can beat next time you practice.

X	8	12	9	15
5				
7				
3				
10				
1				
12				
2				
11				
6				
8				
4				
9				

Gold Plus Challenge

Can you complete all of the division sums below

Top Tip: Why not record your time at home and see if you can beat next time you practice.

$12 \div 12 =$	$90 \div 9 =$	$108 \div 12 =$
$18 \div 9 =$	$36 \div 12 =$	$9 \div 9 =$
$64 \div 8 =$	$54 \div 9 =$	$32 \div 8 =$
$48 \div 12 =$	$99 \div 9 =$	$72 \div 9 =$
$8 \div 8 =$	$84 \div 12 =$	$40 \div 8 =$
$96 \div 8 =$	$48 \div 8 =$	$132 \div 12 =$
$120 \div 12 =$	$16 \div 8 =$	$63 \div 9 =$
$45 \div 9 =$	$60 \div 12 =$	$72 \div 8 =$
$80 \div 8 =$	$108 \div 9 =$	$72 \div 12 =$
$24 \div 12 =$	$56 \div 8 =$	$27 \div 9 =$
$81 \div 9 =$	$96 \div 12 =$	$24 \div 8 =$
$36 \div 9 =$	$88 \div 8 =$	$144 \div 12 =$

Times completed: _____ minutes _____ seconds

Number of correct answers: _____ / 36