



St. Peter-in-Thanel Junior School Times Tables Challenge

Gold Award Practise Pack



Name _____

Dear parents/carers,

At St.Peter-in-Thanet Junior School, we believe that times tables are a vital skill, which offer a foundation for learning other aspects of mathematics. Regular practise of times tables is essential in ensuring that they are embedded in the children's long term memory.

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 Platinum times tables.

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.

Once you have achieved your Gold award you are able to try for your Gold Plus! This will test your knowledge of division and enable you to master your number facts.

Good luck!

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, 4, 2,



Self assessment: 😊 😐 ☹️

Parent/guardian's comments/signature:

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:

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:

12× 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:

Super Challenge! 15 Times Table

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!

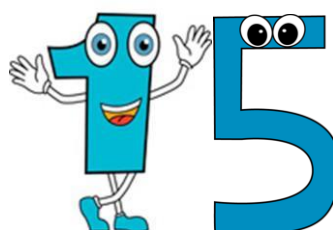
| | | |
|--------------------|---------------------|----------------------|
| $1 \times 15 = 15$ | $5 \times 15 = 75$ | $9 \times 15 = 135$ |
| $2 \times 15 = 30$ | $6 \times 15 = 90$ | $10 \times 15 = 150$ |
| $3 \times 15 = 45$ | $7 \times 15 = 105$ | $11 \times 15 = 165$ |
| $4 \times 15 = 60$ | $8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

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 $15 \times$ something is $10 \times$ something + $5 \times$ 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 | | | | |