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

Gold Plus Award Pack

Name _____

Congratulations!

Congratulation on successfully passing your Gold Award! Now it's time to take on the challenge of the Gold Plus Award.

Within the Gold Plus Award, you will look at using your 'inverse' knowledge of division. As you aim to know all of our times table facts during your time a St. Peter-in-Thanet Juniors, it is also important that you understand the relationship between multiplication and division. By knowing your times table facts you can use them to help solve division sums and become a **St.Pete's MASTER!**

Useful websites for division:

http://www.mymaths.co.uk
http://resources.woodlands-junior.kent.sch.uk/maths/division.htm
http://www.topmarks.co.uk/maths-games/7-11-years/multiplication-and-division
http://www.fun4thebrain.com/division.html

This web site will give you **TOP TIPS** on how to solve division problems:
http://www.ducksters.com/kidsmath/division_tips_tricks.php

Apps for division
Division for Kids
Maths Practice
Splash Maths 7-9
Splash Maths 8-10

Good luck on your journey of becoming a
'St.Pete's Master of Maths!'

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

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 ÷ 9 = 3.

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

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

Self-assessment: ☺ ☺ ☹

Parent/guardian's comments/signature:

Gold Plus Challenge

Can you complete all of the division sums below in 10 minutes or under?

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

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

Times completed:_____ minutes _____seconds

Number of correct answers: _____/ 36