



**St Philip's Catholic
Primary School**

Times Table Challenge

I belong to:

**Gold  Award
Practice book**

Congratulations!

Gold Division Challenge Continued

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

Within the Gold Division Award, you will look at using your 'inverse' knowledge of division. As you aim to know all of our times table facts, 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 calculations and eventually become a 'Multiplication Master!'

Useful websites for division:

www.activelearnprimary.co.uk

www.resources.woodlands-junior.kent.sch.uk/maths/division.htm

www.topmarks.co.uk/maths-games/7-11-years/multiplication-and-division

www.fun4thebrain.com/division.html

This web site will give you TOP TIPS on how to solve division problems:

www.ducksters.com/kidsmath/division_tips_tricks.php

Apps for division:

Division for Kids

Maths Practice

Splash Maths 7-9

Splash Maths 8-10

$20 \div 4 =$	$8 \div 4 =$	$24 \div 2 =$	$36 \div 6 =$	$15 \div 3 =$
$42 \div 6 =$	$24 \div 6 =$	$5 \div 5 =$	$72 \div 8 =$	$25 \div 5 =$
$36 \div 9 =$	$24 \div 8 =$	$9 \div 3 =$	$6 \div 6 =$	$6 \div 2 =$
$8 \div 8 =$	$54 \div 6 =$	$30 \div 5 =$	$28 \div 4 =$	$10 \div 2 =$
$48 \div 4 =$	$36 \div 4 =$	$2 \div 2 =$	$24 \div 4 =$	$27 \div 3 =$
$45 \div 9 =$	$40 \div 8 =$	$18 \div 3 =$	$72 \div 6 =$	$50 \div 10 =$
$64 \div 8 =$	$48 \div 6 =$	$12 \div 2 =$	$44 \div 4 =$	$14 \div 2 =$
$108 \div 9 =$	$88 \div 8 =$	$60 \div 5 =$	$63 \div 9 =$	$33 \div 3 =$
$12 \div 6 =$	$18 \div 6 =$	$80 \div 10 =$	$32 \div 4 =$	$55 \div 5 =$
$16 \div 4 =$	$48 \div 8 =$	$30 \div 3 =$	$81 \div 9 =$	$20 \div 2 =$
$90 \div 9 =$	$99 \div 9 =$	$30 \div 10 =$	$60 \div 6 =$	$90 \div 10 =$
$96 \div 8 =$	$4 \div 4 =$	$10 \div 10 =$	$72 \div 9 =$	$50 \div 5 =$

Time Taken: _____

Gold Division Challenge

$18 \div 9 =$	$4 \div 2 =$	$11 \div 11 =$	$15 \div 5 =$	$14 \div 7 =$	$22 \div 11 =$
$12 \div 4 =$	$10 \div 5 =$	$84 \div 12 =$	$70 \div 10 =$	$36 \div 12 =$	$21 \div 7 =$
$30 \div 6 =$	$36 \div 3 =$	$49 \div 7 =$	$3 \div 3 =$	$33 \div 11 =$	$88 \div 11 =$
$9 \div 9 =$	$12 \div 3 =$	$44 \div 11 =$	$8 \div 2 =$	$12 \div 12 =$	$77 \div 7 =$
$16 \div 8 =$	$20 \div 10 =$	$24 \div 12 =$	$120 \div 10 =$	$28 \div 7 =$	$48 \div 12 =$
$56 \div 8 =$	$24 \div 3 =$	$7 \div 7 =$	$16 \div 2 =$	$121 \div 11 =$	$55 \div 11 =$
$27 \div 9 =$	$40 \div 10 =$	$99 \div 11 =$	$20 \div 5 =$	$108 \div 12 =$	$42 \div 7 =$
$32 \div 8 =$	$22 \div 2 =$	$132 \div 12 =$	$45 \div 5 =$	$77 \div 11 =$	$144 \div 12 =$
$54 \div 9 =$	$35 \div 5 =$	$70 \div 7 =$	$6 \div 3 =$	$56 \div 7 =$	$35 \div 7 =$
$40 \div 4 =$	$60 \div 10 =$	$110 \div 11 =$	$40 \div 5 =$	$96 \div 12 =$	$72 \div 12 =$
$66 \div 6 =$	$18 \div 2 =$	$63 \div 7 =$	$100 \div 10 =$	$132 \div 11 =$	$66 \div 11 =$
$80 \div 8 =$	$110 \div 10 =$	$120 \div 12 =$	$21 \div 3 =$	$60 \div 12 =$	$84 \div 7 =$

7, 11 and 12 Times Tables

Top Tip—Use these facts to help you with your divisions.

X	2	10	5	3	4	8	6	9	7	11	12
1	2	10	5	3	4	8	6	9	7	11	12
2	4	20	10	6	8	16	12	18	14	22	24
3	6	30	15	9	12	24	18	27	21	33	36
4	8	40	20	12	16	32	24	36	28	44	48
5	10	50	25	15	20	40	30	45	35	55	60
6	12	60	30	18	24	48	36	54	42	66	72
7	14	70	35	21	28	56	42	63	49	77	84
8	16	80	40	24	32	64	48	72	56	88	96
9	18	90	45	27	36	72	54	81	63	99	108
10	20	100	50	30	40	80	60	90	70	110	120
11	22	110	55	33	44	88	66	99	77	121	132
12	24	120	60	36	48	96	72	108	84	132	144

Dividing by 2

$2 \div 2 = 1$	$8 \div 2 = 4$	$14 \div 2 = 7$	$20 \div 2 = 10$
$4 \div 2 = 2$	$10 \div 2 = 5$	$16 \div 2 = 8$	$22 \div 2 = 11$
$6 \div 2 = 3$	$12 \div 2 = 6$	$18 \div 2 = 9$	$24 \div 2 = 12$

Top Tip— When dividing by 2 it is the same as saying 'half' of the number.

Parent/guardian's comments/signature:

Gold Division Challenge Continued

$36 \div 6 =$	$8 \div 4 =$	$11 \div 11 =$	$14 \div 7 =$	$22 \div 11 =$
$72 \div 8 =$	$24 \div 6 =$	$84 \div 12 =$	$36 \div 12 =$	$21 \div 7 =$
$6 \div 6 =$	$24 \div 8 =$	$49 \div 7 =$	$33 \div 11 =$	$88 \div 11 =$
$28 \div 4 =$	$54 \div 6 =$	$44 \div 11 =$	$12 \div 12 =$	$77 \div 7 =$
$24 \div 4 =$	$36 \div 4 =$	$24 \div 12 =$	$28 \div 7 =$	$48 \div 12 =$
$72 \div 6 =$	$40 \div 8 =$	$7 \div 7 =$	$121 \div 11 =$	$55 \div 11 =$
$44 \div 4 =$	$48 \div 6 =$	$99 \div 11 =$	$108 \div 12 =$	$42 \div 7 =$
$63 \div 9 =$	$88 \div 8 =$	$132 \div 12 =$	$77 \div 11 =$	$144 \div 12 =$
$32 \div 4 =$	$18 \div 6 =$	$70 \div 7 =$	$56 \div 7 =$	$35 \div 7 =$
$81 \div 9 =$	$48 \div 8 =$	$110 \div 11 =$	$96 \div 12 =$	$72 \div 12 =$
$60 \div 6 =$	$99 \div 9 =$	$63 \div 7 =$	$132 \div 11 =$	$66 \div 11 =$
$72 \div 9 =$	$4 \div 4 =$	$120 \div 12 =$	$60 \div 12 =$	$84 \div 7 =$

Time Taken: _____

Gold Division Challenge

$24 \div 2 =$	$4 \div 2 =$	$15 \div 3 =$	$15 \div 5 =$	$20 \div 4 =$	$18 \div 9 =$
$5 \div 5 =$	$10 \div 5 =$	$25 \div 5 =$	$70 \div 10 =$	$42 \div 6 =$	$12 \div 4 =$
$9 \div 3 =$	$36 \div 3 =$	$6 \div 2 =$	$3 \div 3 =$	$36 \div 9 =$	$30 \div 6 =$
$30 \div 5 =$	$12 \div 3 =$	$10 \div 2 =$	$8 \div 2 =$	$8 \div 8 =$	$9 \div 9 =$
$2 \div 2 =$	$20 \div 10 =$	$27 \div 3 =$	$120 \div 10 =$	$48 \div 4 =$	$16 \div 8 =$
$18 \div 3 =$	$24 \div 3 =$	$50 \div 10 =$	$16 \div 2 =$	$45 \div 9 =$	$56 \div 8 =$
$12 \div 2 =$	$40 \div 10 =$	$14 \div 2 =$	$20 \div 5 =$	$64 \div 8 =$	$27 \div 9 =$
$60 \div 5 =$	$22 \div 2 =$	$33 \div 3 =$	$45 \div 5 =$	$108 \div 9 =$	$32 \div 8 =$
$80 \div 10 =$	$35 \div 5 =$	$55 \div 5 =$	$6 \div 3 =$	$12 \div 6 =$	$54 \div 9 =$
$30 \div 3 =$	$60 \div 10 =$	$20 \div 2 =$	$40 \div 5 =$	$16 \div 4 =$	$40 \div 4 =$
$30 \div 10 =$	$18 \div 2 =$	$90 \div 10 =$	$100 \div 10 =$	$90 \div 9 =$	$66 \div 6 =$
$10 \div 10 =$	$110 \div 10 =$	$50 \div 5 =$	$21 \div 3 =$	$96 \div 8 =$	$80 \div 8 =$

Dividing by 10

$10 \div 10 = 1$	$40 \div 10 = 4$	$70 \div 10 = 7$	$100 \div 10 = 10$
$20 \div 10 = 2$	$50 \div 10 = 5$	$80 \div 10 = 8$	$110 \div 10 = 11$
$30 \div 10 = 3$	$60 \div 10 = 6$	$90 \div 10 = 9$	$120 \div 10 = 12$

Top Tip— Remember when we $\times 10$ and we moved our digit one space to the left... now we do the 'opposite' and move our digits one space to the RIGHT

Parent/guardian's comments/signature:

Dividing by 5

$5 \div 5 = 1$	$20 \div 5 = 4$	$35 \div 5 = 7$	$50 \div 5 = 10$
$10 \div 5 = 2$	$25 \div 5 = 5$	$40 \div 5 = 8$	$55 \div 5 = 11$
$15 \div 5 = 3$	$30 \div 5 = 6$	$45 \div 5 = 9$	$60 \div 5 = 12$

Top Tip— Why not use your hands to help count up in groups of five.

Parent/guardian's comments/signature:

Gold Division Challenge

Can you complete all of the division calculations in these challenges within 10 minutes? Each challenge covers 2 pages

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

Dividing by 12

$12 \div 12 = 1$	$48 \div 12 = 4$	$84 \div 12 = 7$	$120 \div 12 = 10$
$24 \div 12 = 2$	$60 \div 12 = 5$	$95 \div 12 = 8$	$132 \div 12 = 11$
$36 \div 12 = 3$	$72 \div 12 = 6$	$108 \div 12 = 9$	$144 \div 12 = 12$

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

Parent/guardian's comments/signature:

Dividing by 3

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

Top Tip— This is a fun trick. If the sum of the digits in a number can be divided by three, then the number can as well. e.g. 12 \rightarrow The digits $1+2=3$ and $12 \div 3 = 4$.

Parent/guardian's comments/signature:

Dividing by 4

$4 \div 4 = 1$	$16 \div 4 = 4$	$28 \div 4 = 7$	$40 \div 4 = 10$
$8 \div 4 = 2$	$20 \div 4 = 5$	$32 \div 4 = 8$	$44 \div 4 = 11$
$12 \div 4 = 3$	$24 \div 4 = 6$	$36 \div 4 = 9$	$48 \div 4 = 12$

Top Tip— To divide by 4—halve and halve again.

E.g. $24 \div 4 \rightarrow$ 24 halved is 12 and 12 halved is 6

Parent/guardian's comments/signature:

Dividing by 11

$11 \div 11 = 1$	$44 \div 11 = 4$	$77 \div 11 = 7$	$110 \div 11 = 10$
$22 \div 11 = 2$	$55 \div 11 = 5$	$88 \div 11 = 8$	$121 \div 11 = 11$
$33 \div 11 = 3$	$66 \div 11 = 6$	$99 \div 11 = 9$	$132 \div 11 = 12$

Top Tip— Remember that in the 11x table we double the digit.
So $22 \div 11$, we have double the 2 so the answer is 2.

Remember this does not work for 10, 11, or 12.

Parent/guardian's comments/signature:

Dividing by 7

$7 \div 7 = 1$	$28 \div 7 = 4$	$49 \div 7 = 7$	$70 \div 7 = 10$
$14 \div 7 = 2$	$35 \div 7 = 5$	$56 \div 7 = 8$	$77 \div 7 = 11$
$21 \div 7 = 3$	$42 \div 7 = 6$	$63 \div 7 = 9$	$84 \div 7 = 12$

Top Tip—Remember the facts you have already learnt in your 7 times table

E.g. $28 \div 7$ —>we know our 7x table facts 7,14,21,28. This is the 4th number in the sequence. So $28 \div 7 = 4$

Parent/guardian's comments/signature:

Dividing by 8

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

Top Tip— Much like the 4s you can use halving. To divide by 8, you need to halve 3 times.

E.g $24 \div 8$ —> 24 halved is 12, 12 halved is 6 and 6 halved is 3

Parent/guardian's comments/signature:

Dividing by 6

$6 \div 6 = 1$	$24 \div 6 = 4$	$42 \div 6 = 7$	$60 \div 6 = 10$
$12 \div 6 = 2$	$30 \div 6 = 5$	$48 \div 6 = 8$	$66 \div 6 = 11$
$18 \div 6 = 3$	$36 \div 6 = 6$	$54 \div 6 = 9$	$72 \div 6 = 12$

Top Tip— Divide the number by 3 then halve the answer
E.g. $30 \div 6 \rightarrow 30 \div 3 = 10$, half of $10 = 5$

Parent/guardian's comments/signature:

Dividing by 9

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

Top Tip— This is a fun trick. If the sum of the digits in a number can be divided by nine, then the number can as well.
e.g. $72 \rightarrow$ The digits $7+2=9$ so you can do $72 \div 9$

Parent/guardian's comments/signature: