



**St Philip's Catholic  
Primary School**

# Times Table Challenge

I belong to:

**Silver  Award  
Practice book**

# Congratulations!

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

Within the Silver 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](http://www.activelearnprimary.co.uk)

[www.resources.woodlands-junior.kent.sch.uk/maths/division.htm](http://www.resources.woodlands-junior.kent.sch.uk/maths/division.htm)

[www.topmarks.co.uk/maths-games/7-11-years/multiplication-and-division](http://www.topmarks.co.uk/maths-games/7-11-years/multiplication-and-division)

[www.fun4thebrain.com/division.html](http://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](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

## Silver Division Challenge Continued

$15 \div 3 =$	$15 \div 5 =$	$36 \div 6 =$	$8 \div 4 =$
$25 \div 5 =$	$70 \div 10 =$	$72 \div 8 =$	$24 \div 6 =$
$6 \div 2 =$	$3 \div 3 =$	$6 \div 6 =$	$24 \div 8 =$
$10 \div 2 =$	$8 \div 2 =$	$28 \div 4 =$	$54 \div 6 =$
$27 \div 3 =$	$120 \div 10 =$	$24 \div 4 =$	$36 \div 4 =$
$50 \div 10 =$	$16 \div 2 =$	$72 \div 6 =$	$40 \div 8 =$
$64 \div 8 =$	$27 \div 9 =$	$24 \div 2 =$	$4 \div 2 =$
$108 \div 9 =$	$32 \div 8 =$	$5 \div 5 =$	$10 \div 5 =$
$12 \div 6 =$	$54 \div 9 =$	$9 \div 3 =$	$36 \div 3 =$
$16 \div 4 =$	$40 \div 4 =$	$30 \div 5 =$	$12 \div 3 =$
$90 \div 9 =$	$66 \div 6 =$	$2 \div 2 =$	$20 \div 10 =$
$96 \div 8 =$	$80 \div 8 =$	$18 \div 3 =$	$24 \div 3 =$

Time Taken: \_\_\_\_\_

## Silver Division Challenge

Can you complete all of the division calculations on these two pages in 10 minutes or under?

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

$20 \div 4 =$	$18 \div 9 =$	$44 \div 4 =$	$48 \div 6 =$
$42 \div 6 =$	$12 \div 4 =$	$63 \div 9 =$	$88 \div 8 =$
$36 \div 9 =$	$30 \div 6 =$	$32 \div 4 =$	$18 \div 6 =$
$8 \div 8 =$	$9 \div 9 =$	$81 \div 9 =$	$48 \div 8 =$
$48 \div 4 =$	$16 \div 8 =$	$60 \div 6 =$	$99 \div 9 =$
$45 \div 9 =$	$56 \div 8 =$	$72 \div 9 =$	$4 \div 4 =$
$12 \div 2 =$	$40 \div 10 =$	$14 \div 2 =$	$20 \div 5 =$
$60 \div 5 =$	$22 \div 2 =$	$33 \div 3 =$	$45 \div 5 =$
$80 \div 10 =$	$35 \div 5 =$	$55 \div 5 =$	$6 \div 3 =$
$30 \div 3 =$	$60 \div 10 =$	$20 \div 2 =$	$40 \div 5 =$
$30 \div 10 =$	$18 \div 2 =$	$90 \div 10 =$	$100 \div 10 =$
$10 \div 10 =$	$110 \div 10 =$	$50 \div 5 =$	$21 \div 3 =$

## 4, 8, 6 and 9 Times Tables

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

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

## 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:

## Silver Division Challenge Continued

$20 \div 4 =$	$18 \div 9 =$	$36 \div 6 =$	$8 \div 4 =$
$42 \div 6 =$	$12 \div 4 =$	$72 \div 8 =$	$24 \div 6 =$
$36 \div 9 =$	$30 \div 6 =$	$6 \div 6 =$	$24 \div 8 =$
$8 \div 8 =$	$9 \div 9 =$	$28 \div 4 =$	$54 \div 6 =$
$48 \div 4 =$	$16 \div 8 =$	$24 \div 4 =$	$36 \div 4 =$
$45 \div 9 =$	$56 \div 8 =$	$72 \div 6 =$	$40 \div 8 =$
$64 \div 8 =$	$27 \div 9 =$	$44 \div 4 =$	$48 \div 6 =$
$108 \div 9 =$	$32 \div 8 =$	$63 \div 9 =$	$88 \div 8 =$
$12 \div 6 =$	$54 \div 9 =$	$32 \div 4 =$	$18 \div 6 =$
$16 \div 4 =$	$40 \div 4 =$	$81 \div 9 =$	$48 \div 8 =$
$90 \div 9 =$	$66 \div 6 =$	$60 \div 6 =$	$99 \div 9 =$
$96 \div 8 =$	$80 \div 8 =$	$72 \div 9 =$	$4 \div 4 =$

Time Taken: \_\_\_\_\_

## Silver Division Challenge

Can you complete all of the division calculations on these two pages in 10 minutes or under?

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

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

## 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:

## 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:

## 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 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 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.  $24 \div 8 \rightarrow$  24 halved is 12, 12 halved is 6 and 6 halved is 3

Parent/guardian's comments/signature: