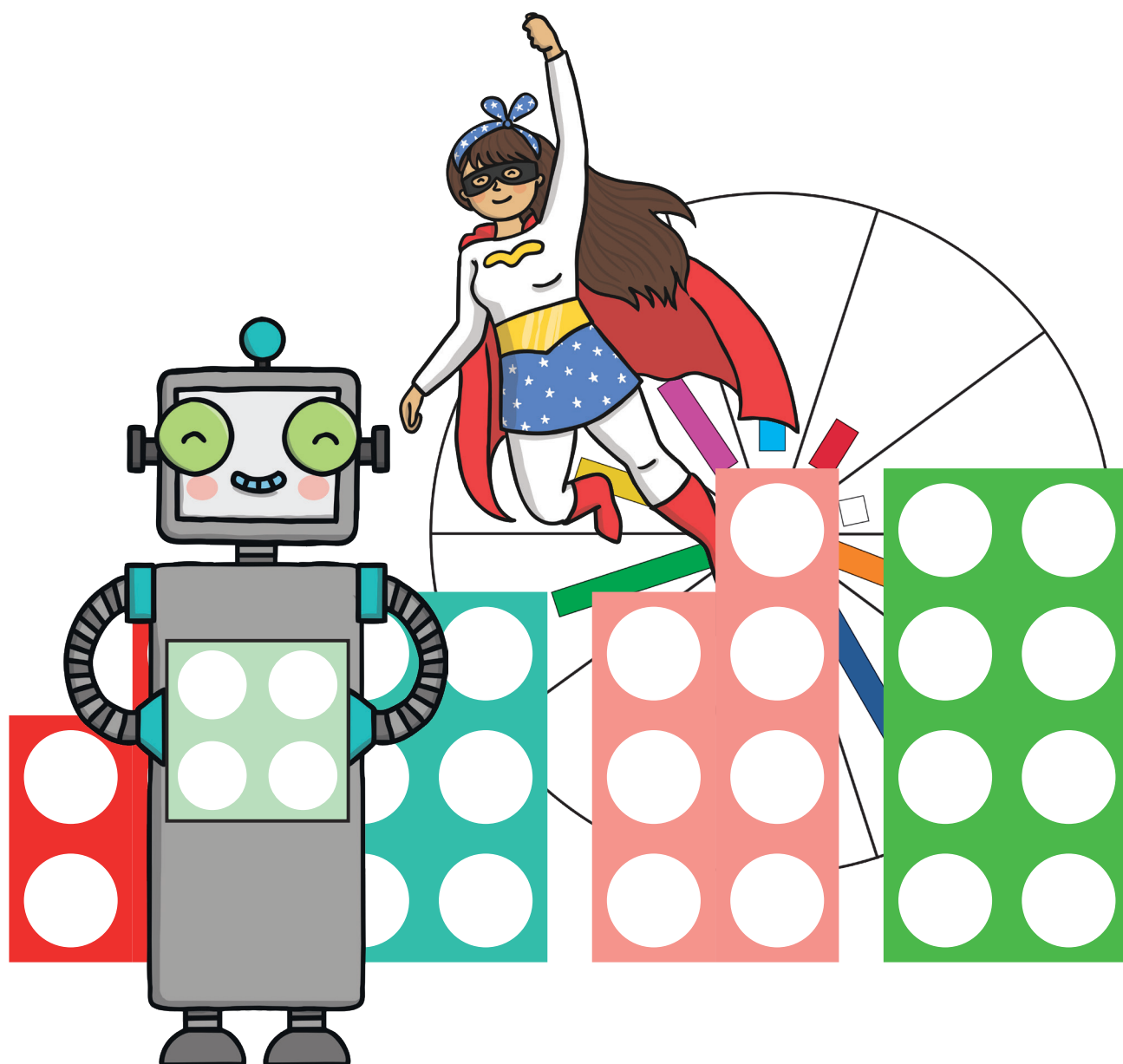
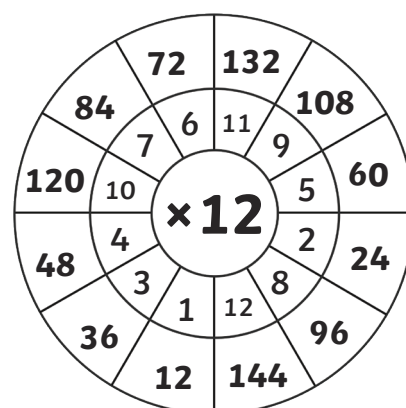
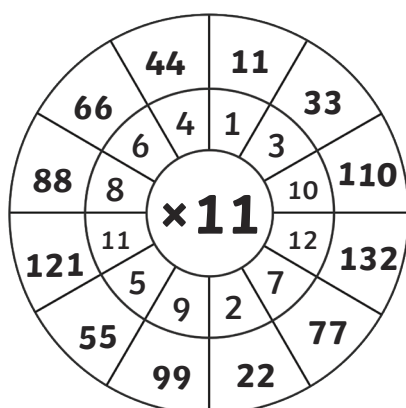
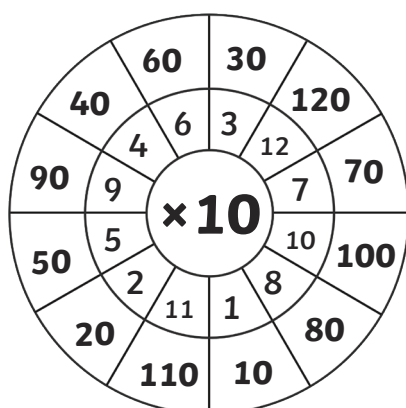
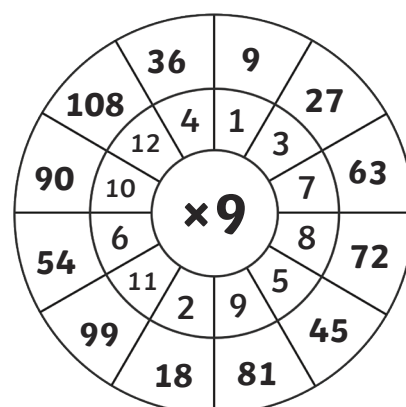
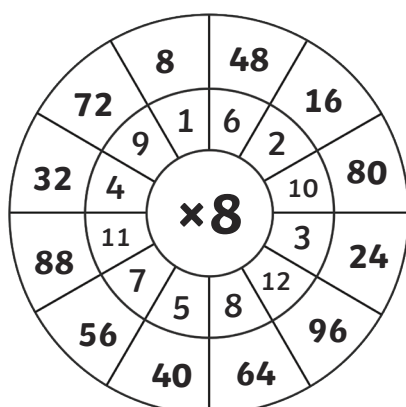
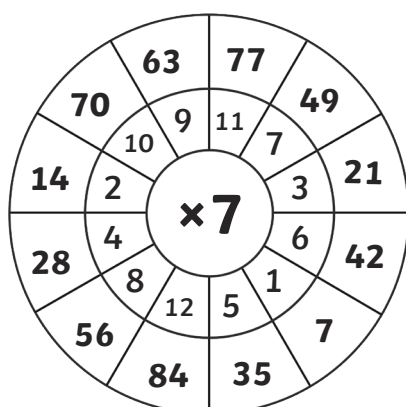
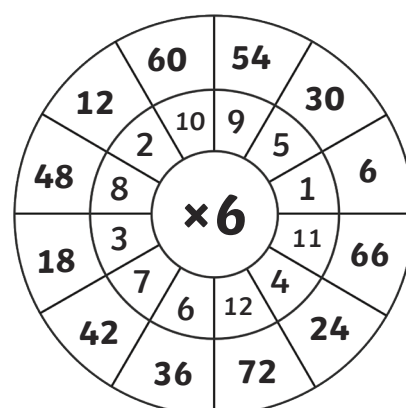
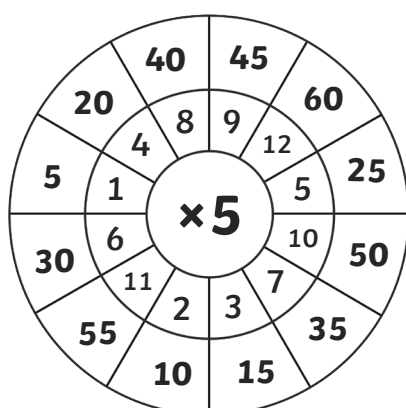
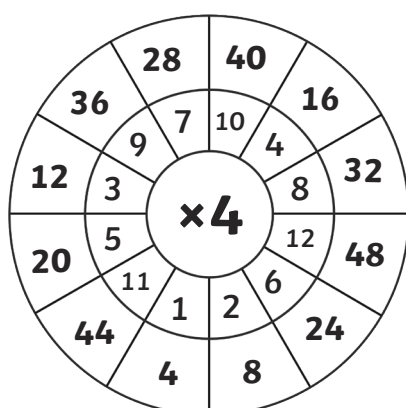
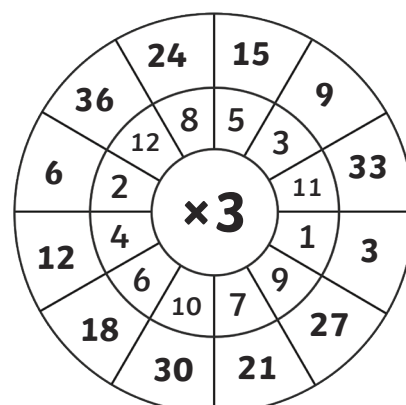
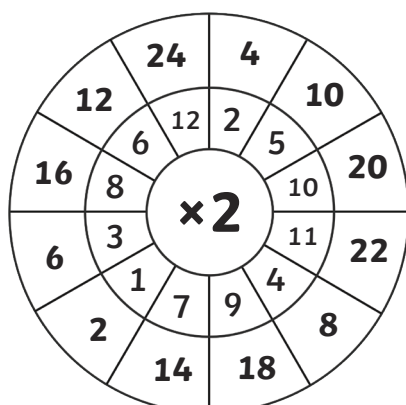
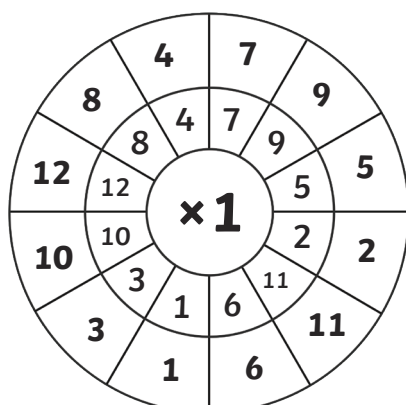


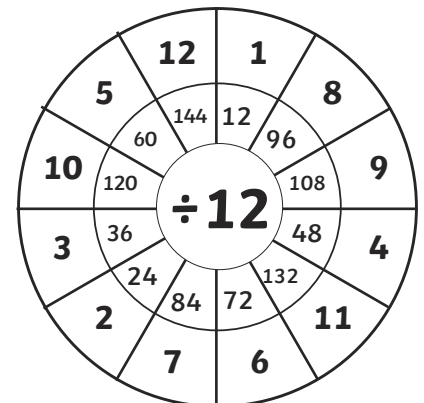
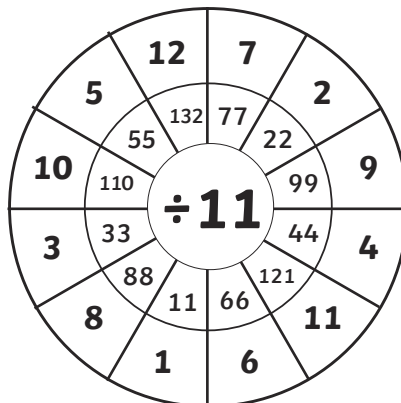
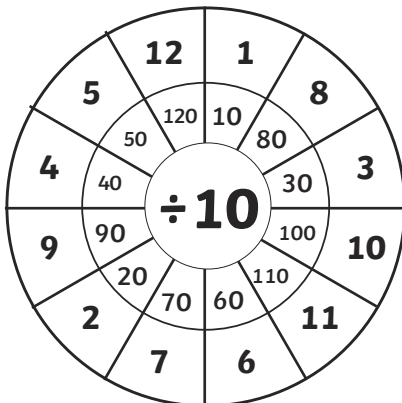
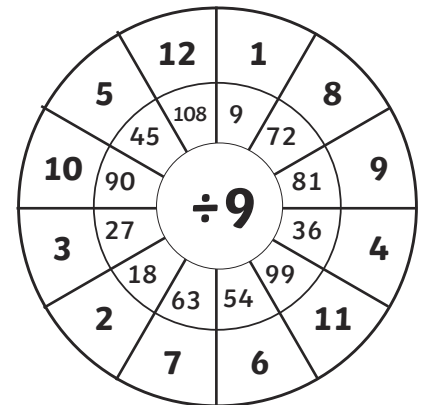
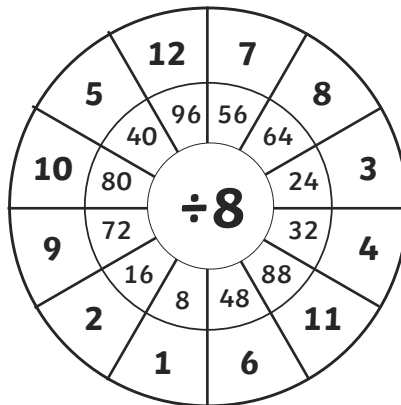
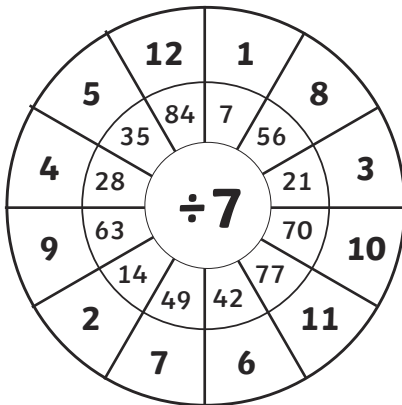
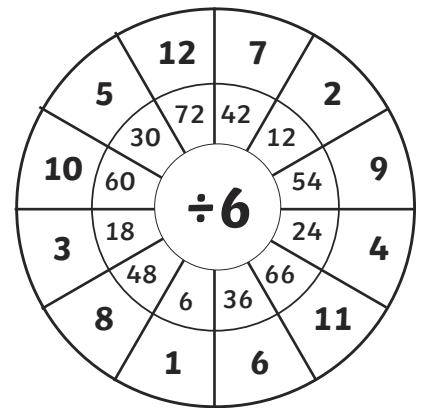
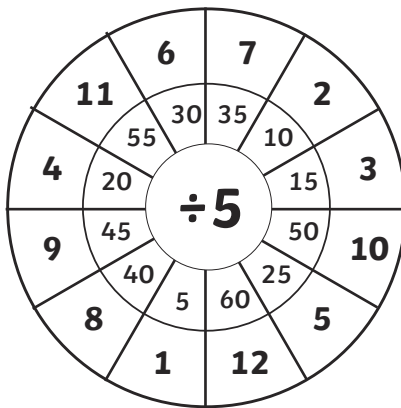
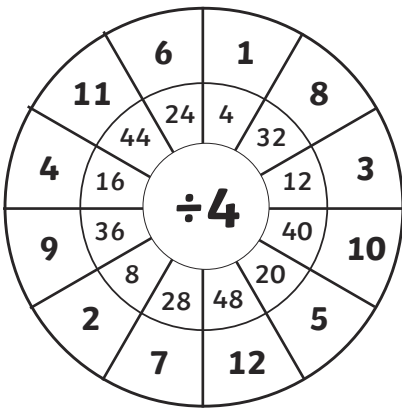
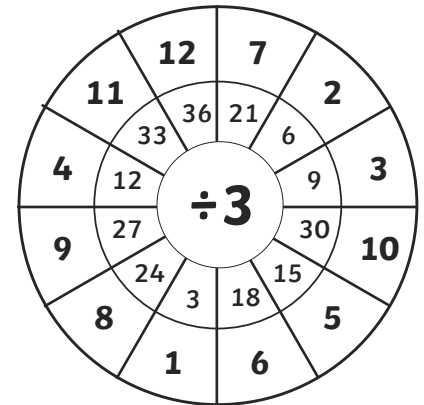
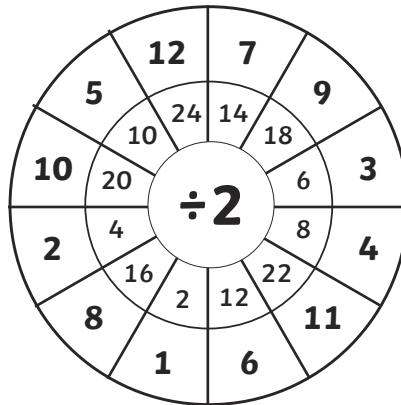
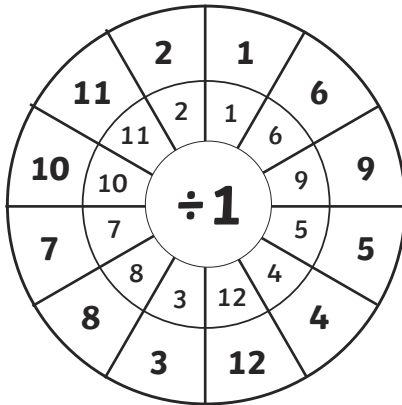
Times Tables up to 12×12 and Corresponding Division Facts **Answer Booklet**



Multiplication Wheels **Answers**



Division Wheels **Answers**



Multiplication Square **Answers**

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

Football-Themed Mixed Times Table Mosaic **Answers**

red
= 1-5

blue
= 6-10

yellow
= 11-25

black
= 26-30

**hair colour of
your choice**
= 31-60

**skin colour of
your choice**
= 61-144

3×3	$20 \div 4$	5×4	$24 \div 8$	$36 \div 3$	$8 \div 4$	$36 \div 3$	$40 \div 8$	$72 \div 8$
8×8	$40 \div 8$	2×8	$35 \div 7$	$96 \div 8$	$15 \div 3$	$96 \div 8$	1×3	9×8
12×12	$32 \div 4$	3×3	$40 \div 4$	$21 \div 3$	$32 \div 4$	$28 \div 4$	$36 \div 4$	11×8
$16 \div 8$	$56 \div 8$	$72 \div 8$	7×7	12×4	12×5	$35 \div 5$	$48 \div 8$	$8 \div 4$
$16 \div 4$	2×3	$28 \div 4$	7×4	12×11	3×10	$24 \div 3$	$27 \div 3$	$16 \div 4$
$30 \div 3$	$32 \div 8$	$28 \div 4$	9×9	9×12	6×12	$72 \div 8$	$8 \div 4$	$21 \div 3$
$36 \div 4$	1×4	$30 \div 3$	10×9	3×10	8×9	$56 \div 8$	1×4	$64 \div 8$
$72 \div 8$	$30 \div 3$	$24 \div 8$	$28 \div 4$	11×7	$56 \div 8$	$30 \div 6$	$24 \div 3$	$80 \div 8$
$80 \div 8$	$36 \div 4$	$32 \div 8$	$16 \div 8$	$12 \div 3$	$16 \div 8$	$20 \div 4$	$64 \div 8$	$32 \div 4$
$72 \div 8$	$30 \div 3$	$56 \div 8$	$32 \div 8$	$15 \div 3$	$32 \div 8$	$40 \div 4$	$21 \div 3$	$32 \div 4$

Challenge: Are these calculations true or false? Explain your reasoning.

$$5 \times 8 < 12 \times 3$$

This is false because 40 is greater than 36.

$$72 \div 8 > 56 \div 7$$

This is true because 9 is greater than 8.

Ultimate Division and Times Table Challenge Answers

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

Space-Themed Mixed Times Table Mosaic **Answers**

Solve the calculations to reveal a hidden picture. Each answer has a special colour.

blue = 1 – 20 | **black** = 21 – 30 | **white** = 31 – 50 | **grey** = 51 – 80 | **green** = 81 – 144

$110 \div 11$	$49 \div 7$	$32 \div 8$	4×5	8×4	$55 \div 11$	$99 \div 9$	$28 \div 7$	$63 \div 9$
$81 \div 9$	$72 \div 9$	$96 \div 8$	6×7	8×3	3×11	$35 \div 7$	$108 \div 9$	$56 \div 8$
$56 \div 7$	2×8	$36 \div 3$	6×5	12×3	4×7	$84 \div 7$	$36 \div 3$	3×3
5×4	$8 \div 4$	$108 \div 9$	7×7	12×4	7×7	4×4	$96 \div 8$	$11 \div 11$
$72 \div 8$	$30 \div 3$	$56 \div 8$	9×4	5×9	4×9	$40 \div 4$	$21 \div 3$	$32 \div 4$
12×12	9×10	8×8	7×6	4×9	12×4	11×5	12×11	10×10
9×9	12×5	9×8	4×9	6×12	7×7	7×8	12×6	9×9
11×8	11×5	9×7	7×7	8×9	8×6	12×5	7×8	10×9
11×7	7×8	11×5	6×6	6×12	11×4	7×9	12×5	8×7
9×12	11×12	10×9	12×8	12×6	12×11	11×11	11×9	8×12

Challenge: Write all the times tables calculations with an answer of 36.**1 × 36, 2 × 18, 3 × 12, 4 × 9, 6 × 6, 9 × 4, 12 × 3, 18 × 2 and 36 × 1**

Ultimate Times Tables Missing Numbers Challenge **Answers**

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

Kaboom Up to 12×12 Times **Answers**

$$3 \times 3 = 9$$

$$8 \times 7 = 56$$

$$8 \times 4 = 32$$

$$2 \times 9 = 18$$

$$6 \times 4 = 24$$

$$9 \times 3 = 27$$

$$12 \times 3 = 36$$

$$7 \times 2 = 14$$

$$9 \times 8 = 72$$

$$5 \times 5 = 25$$

$$2 \times 11 = 22$$

$$7 \times 4 = 28$$

$$4 \times 10 = 40$$

