

Times Tables and Division Facts Colouring Booklet



Name: _____

Times Table Colouring

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

blue 1-5	red 6-11	skin colour of your choice 12	green 15-21	black 24-27	hair colour of your choice 30-33	white 36
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1×3	$15 \div 3$	$9 \div 3$	$3 \div 3$	11×3	10×3	11×3	$6 \div 3$	$3 \div 3$
$12 \div 3$	$6 \div 3$	$15 \div 3$	$12 \div 3$	8×3	4×3	9×3	$15 \div 3$	$12 \div 3$
$9 \div 3$	$12 \div 3$	$6 \div 3$	$9 \div 3$	4×3	$36 \div 3$	4×3	$9 \div 3$	1×3
$12 \div 3$	$15 \div 3$	$9 \div 3$	$3 \div 3$	$15 \div 3$	4×3	$3 \div 3$	$15 \div 3$	$12 \div 3$
$15 \div 3$	$6 \div 3$	$15 \div 3$	3×3	$30 \div 3$	$18 \div 3$	$27 \div 3$	$24 \div 3$	$6 \div 3$
$9 \div 3$	$12 \div 3$	1×3	4×3	$24 \div 3$	2×3	$21 \div 3$	$36 \div 3$	$12 \div 3$
$3 \div 3$	$9 \div 3$	$9 \div 3$	$36 \div 3$	$27 \div 3$	$33 \div 3$	2×3	4×3	1×3
5×3	7×3	6×3	7×3	4×3	7×3	$36 \div 3$	5×3	7×3
9×3	12×3	5×3	6×3	$18 \div 3$	6×3	$24 \div 3$	7×3	6×3
12×3	8×3	6×3	9×3	8×3	5×3	9×3	8×3	5×3

Challenge: Use the inverse operation to write a related fact for these calculations. Explain how you calculated the inverse.

$$21 \div 3 = 7$$

$$30 \div 3 = 10$$

$$9 \times 3 = 27$$

Times Table Colouring

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

black

1-3

yellow or gold

4-16

green

17-33

blue

34-50

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

Challenge: Use the inverse operation to write a related fact for these division calculations. Explain how you calculated the inverse.

$$32 \div 4 = 8$$

$$44 \div 4 = 11$$

$$20 \div 4 = 5$$

Times Table Colouring

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

green

1-8

black

9-40

white

41-96

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

Challenge: Use the inverse operation to write a related fact for these division calculations. Explain how you calculated the inverse.

$$72 \div 8 = 9$$

$$48 \div 8 = 6$$

$$56 \div 8 = 7$$

Times Table Colouring

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

black
1 – 12

green
13 – 25

blue
26 – 40

red
41 – 60

light grey
61 – 99

yellow
100 – 119

brown
120 – 144

9×12	$16 \div 8$	$12 \div 3$	$16 \div 8$	$12 \div 3$	$24 \div 8$	10×10	$35 \div 5$	$48 \div 8$
$84 \div 7$	$32 \div 8$	$15 \div 3$	12×3	8×4	$35 \div 7$	$63 \div 9$	$24 \div 3$	$27 \div 3$
$25 \div 5$	$72 \div 9$	5×4	8×4	4×7	5×5	3×4	$56 \div 8$	11×10
$32 \div 8$	$49 \div 7$	7×4	9×2	4×9	11×3	3×3	$36 \div 3$	$110 \div 11$
$36 \div 6$	$42 \div 6$	3×7	3×11	2×8	4×8	$20 \div 4$	12×9	$96 \div 8$
$11 \div 11$	$20 \div 4$	1×7	4×9	6×4	7×1	$40 \div 8$	3×3	2×4
$36 \div 3$	10×11	3×2	$40 \div 4$	$21 \div 3$	$32 \div 4$	12×12	7×7	8×7
$96 \div 8$	$80 \div 8$	$18 \div 3$	$72 \div 8$	$30 \div 3$	$56 \div 8$	11×11	12×4	7×6
1×7	12×7	8×8	6×12	10×7	7×9	12×11	8×11	$35 \div 7$
9×7	7×11	8×9	12×6	9×9	11×9	7×12	6×11	8×12

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

$$5 \times 8 < 12 \times 4$$

$$72 \div 9 > 56 \div 7$$

Times Table Colouring

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.

Times Table Colouring

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

green

1,3,5,7,9

white

11-59

black

60-69

blue

70-144

red

2, 4, 6, 8, 10

11×7	8×10	9×10	11×8	12×12	11×9	$12 \div 3$	11×9	$14 \div 7$	11×7
11×9	12×11	12×9	9×8	10×9	12×7	$15 \div 3$	12×7	$20 \div 4$	10×9
12×12	11×10	11×8	11×11	9×10	$21 \div 3$	9×1	$56 \div 8$	5×1	12×7
11×9	9×9	12×12	$81 \div 9$	8×6	11×6	6×6	12×4	12×5	5×9
9×7	3×3	$50 \div 10$	8×8	$40 \div 8$	$3 \div 3$	$15 \div 3$	$9 \div 3$	$77 \div 11$	$3 \div 3$
1×3	$108 \div 12$	$56 \div 8$	$4 \div 4$	$45 \div 5$	$28 \div 4$	1×4	$35 \div 7$	1×7	$9 \div 3$
2×3	11×3	7×7	2×2	4×7	$28 \div 7$	5×8	$24 \div 8$	$50 \div 10$	10×9
1×5	$63 \div 7$	3×1	$33 \div 11$	1×1	$70 \div 10$	3×3	$81 \div 9$	$56 \div 8$	9×8
12×12	11×8	8×9	12×8	12×9	10×9	$63 \div 9$	3×3	5×1	11×11
11×7	8×11	10×9	10×9	12×8	9×8	7×1	$21 \div 3$	$18 \div 6$	12×9

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

$$5 \times 8 = 4 \times 10$$

$$3 \times 9 = 6 \times 4$$

$$6 \times 7 > 10 \times 5$$

Times Table Colouring

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

dark grey

1, 3, 5, 7, 9

light blue

11-50

white

51-60

red

61-70

skin tone

2, 4, 6, 8, 10

light grey

76-144

dark blue

71-75

12×3	$9 \div 3$	4×8	10×5	11×4	8×12	11×3	7×7	4×9	8×6
6×7	$35 \div 7$	12×4	7×7	12×7	9×10	11×8	7×6	12×4	5×9
8×4	$24 \div 8$	11×4	11×7	$28 \div 7$	$12 \div 3$	2×2	8×12	6×7	12×4
7×6	$81 \div 9$	10×10	11×10	9×8	$14 \div 7$	12×6	11×9	7×12	12×3
5×7	3×3	12×3	8×1	$18 \div 9$	$28 \div 7$	$12 \div 3$	2×2	6×6	5×8
12×4	$21 \div 3$	7×6	8×5	$18 \div 3$	7×9	$48 \div 8$	8×4	5×7	12×3
8×6	1×7	8×4	3×11	10×8	11×7	8×10	9×5	5×9	11×4
7×1	$21 \div 3$	$18 \div 6$	11×8	12×8	10×10	7×8	8×8	9×6	8×6
8×6	$56 \div 8$	$100 \div 10$	12×7	11×9	9×10	6×11	7×10	11×6	9×4
10×4	5×1	4×12	6×6	11×8	12×7	8×7	9×7	6×9	5×7

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

$$6 \times 9 = 18 \times 3$$

$$8 \times 11 = 22 \times 4$$

$$9 \times 8 > 10 \times 7$$

Times Table Colouring

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

Green

5, 6, 7,
8 and 9

Yellow

10 to 25

Red

26 to 36

White

Any other answer

$15 \div 3$	2×3	$9 \div 3$	4×3	$30 \div 3$	4×3	1×3	$18 \div 3$	3×3
3×3	$21 \div 3$	$6 \div 3$	5×3	8×3	6×3	$0 \div 3$	$27 \div 3$	2×3
$3 \div 3$	1×3	$24 \div 3$	4×3	7×3	8×3	3×3	$6 \div 3$	1×3
8×3	7×3	6×3	9×3	10×3	12×3	8×3	$36 \div 3$	5×3
$30 \div 3$	4×3	8×3	12×3	11×3	10×3	$33 \div 3$	6×3	4×3
7×3	5×3	$36 \div 3$	11×3	12×3	9×3	7×3	5×3	8×3
$9 \div 3$	1×3	2×3	6×3	5×3	4×3	$18 \div 3$	$0 \div 3$	$3 \div 3$
2×3	$15 \div 3$	$6 \div 3$	7×3	$33 \div 3$	8×3	$12 \div 3$	$24 \div 3$	2×3
$27 \div 3$	$18 \div 3$	$0 \div 3$	5×3	8×3	7×3	1×3	3×3	$21 \div 3$
$6 \div 3$	0×3	$3 \div 3$	0×3	1×3	$6 \div 3$	$0 \div 3$	0×3	$3 \div 3$

Challenge: What do you notice about the answers to the squares you left white?

Times Table Colouring

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

White

0, 2, 4, 6, 8 and 10

Green

11 to 49

Brown

50 to 90

Pink

Any other answer

0×8	$16 \div 8$	2×8	$96 \div 8$	$24 \div 8$	5×8	$72 \div 8$	$32 \div 8$	1×8
$48 \div 8$	$96 \div 8$	$56 \div 8$	6×8	4×8	$88 \div 8$	6×8	4×8	$48 \div 8$
$80 \div 8$	5×8	$88 \div 8$	3×8	$72 \div 8$	$96 \div 8$	12×8	3×8	1×8
$16 \div 8$	4×8	12×8	5×8	3×8	4×8	$88 \div 8$	2×8	$80 \div 8$
1×8	$48 \div 8$	6×8	$88 \div 8$	$40 \div 8$	6×8	$56 \div 8$	$16 \div 8$	$0 \div 8$
$64 \div 8$	$80 \div 8$	$0 \div 8$	$48 \div 8$	5×8	$48 \div 8$	$64 \div 8$	$32 \div 8$	$48 \div 8$
$32 \div 8$	1×8	$80 \div 8$	$32 \div 8$	2×8	1×8	$16 \div 8$	$80 \div 8$	0×8
$48 \div 8$	$16 \div 8$	7×8	11×8	8×8	9×8	8×8	$64 \div 8$	$16 \div 8$
$0 \div 8$	$64 \div 8$	$32 \div 8$	9×8	10×8	7×8	$48 \div 8$	$32 \div 8$	$64 \div 8$
$80 \div 8$	0×8	$16 \div 8$	8×8	11×8	9×8	$32 \div 8$	$80 \div 8$	1×8

Challenge: Which colour calculations contain no division questions? Can you explain why?