

Healthy Eating 3 Times Tables and Division Facts Mosaic

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

Red: 1 to 6

Blue: 7 to 12

Brown: 13 to 21

Green: 22 to 32

White: 33 to 36

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

Challenge: Use inverse operations to write the related calculations for these number facts. Explain how you calculated the inverse.

$$18 \div 3 = 6$$

$$27 \div 3 = 9$$

$$4 \times 3 = 12$$

Healthy Eating 4 Times Tables and Division Facts Mosaic

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

Red: 1 to 6

Blue: 7 to 12

Brown: 13 to 29

Green: 30 to 42

White: 43 to 48

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

Challenge: Use inverse operations to write the related calculations for these number facts. Explain how you calculated the inverse.

$$28 \div 4 = 7$$

$$48 \div 4 = 12$$

$$8 \times 4 = 32$$

Healthy Eating 8 Times Tables and Division Facts Mosaic

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

Blue:
1 to 6

Orange:
7 to 12

Brown:
13 to 50

Light green:
51 to 75

Dark green:
76 to 99

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

Challenge: Use inverse operations to write the related calculations for these number facts. Explain how you calculated the inverse.

$$24 \div 8 = 3$$

$$48 \div 8 = 6$$

$$9 \times 8 = 72$$

Healthy Eating 3, 4 and 8 Times Tables and Division Facts Mosaic

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

Red: 1 to 6

Light blue: 7 to 30

Green: 31 to 60

Black: 61 to 99

$21 \div 3$	$72 \div 8$	2×4	3×8	6×3	7×4	$33 \div 3$	12×3	9×3
2×4	8×3	$27 \div 3$	$33 \div 3$	$56 \div 8$	$28 \div 4$	$80 \div 8$	$20 \div 4$	7×8
3×4	2×4	$64 \div 8$	$36 \div 4$	$27 \div 3$	$36 \div 3$	1×3	1×4	5×8
7×4	$28 \div 4$	10×3	7×4	9×3	$9 \div 3$	8×8	1×3	9×4
$80 \div 8$	6×4	$24 \div 3$	3×8	$15 \div 3$	$48 \div 8$	$20 \div 4$	$8 \div 4$	12×4
$30 \div 3$	$88 \div 8$	3×4	$32 \div 8$	$12 \div 4$	10×8	$15 \div 3$	$24 \div 4$	6×8
$64 \div 8$	9×3	$12 \div 3$	$40 \div 8$	2×3	$24 \div 8$	1×4	9×4	$24 \div 3$
7×4	$16 \div 4$	12×8	2×3	9×8	1×3	11×4	2×4	$64 \div 8$
8×4	$12 \div 4$	$24 \div 4$	$32 \div 8$	$18 \div 3$	6×8	7×4	$72 \div 8$	8×3
9×3	5×8	12×4	6×8	8×4	3×8	$36 \div 3$	$96 \div 8$	2×4

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

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

$$64 \div 8 = 27 \div 3$$

Healthy Eating Mixed Multiplication and Division Facts Mosaic

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

White: 1 to 5

Brown: 6 to 10

Blue: 11 to 60

Grey: 61 to 144

7×11	6×9	9×8	3×7	12×6	$77 \div 7$	6×3	12×9	$36 \div 3$
11×9	9×5	7×10	7×5	9×9	7×4	11×10	9×7	5×3
8×8	4×7	12×11	9×5	11×11	9×2	8×12	10×7	9×3
10×12	9×9	11×8	12×12	11×7	$121 \div 11$	12×7	6×12	$108 \div 9$
$48 \div 4$	3×9	9×8	6×6	4×9	8×4	9×11	11×12	6×4
7×6	5×8	3×3	$20 \div 10$	$24 \div 6$	$12 \div 4$	5×3	$32 \div 4$	5×5
$110 \div 10$	$8 \div 8$	$72 \div 8$	$40 \div 8$	$8 \div 4$	$15 \div 3$	$16 \div 8$	$56 \div 7$	$88 \div 8$
6×5	$35 \div 7$	$54 \div 6$	1×3	$15 \div 3$	$30 \div 6$	1×1	2×4	6×7
$16 \div 8$	1×5	$49 \div 7$	$16 \div 4$	$18 \div 2$	$32 \div 8$	$27 \div 9$	$32 \div 4$	$24 \div 8$
$12 \div 6$	$32 \div 8$	$63 \div 9$	$30 \div 10$	$15 \div 5$	$21 \div 7$	$20 \div 5$	$24 \div 3$	$15 \div 3$

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

$$56 \div 8 = 36 \div 4$$

$$6 \times 4 = 8 \times 3$$

Healthy Eating Mixed Times Tables and Division Facts Mosaic

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

Yellow: 1 to 5

Blue: 6 to 10

Black: 11 to 50

Brown: 51 to 60

Green: 61 to 144

$32 \div 4$	3×3	$40 \div 4$	$21 \div 3$	$40 \div 5$	6×3	$72 \div 8$	$30 \div 3$	$56 \div 8$
$56 \div 8$	$72 \div 9$	$110 \div 11$	$64 \div 8$	$56 \div 7$	8×7	$99 \div 9$	$70 \div 10$	$36 \div 4$
2×3	$28 \div 4$	$36 \div 4$	$72 \div 9$	4×9	$20 \div 5$	$24 \div 6$	3×7	$24 \div 3$
$30 \div 5$	$48 \div 6$	$72 \div 8$	$28 \div 4$	$44 \div 4$	$40 \div 8$	$8 \div 4$	$25 \div 5$	7×7
$24 \div 4$	$27 \div 3$	$56 \div 8$	$81 \div 9$	7×3	1×2	$15 \div 5$	$18 \div 6$	$36 \div 3$
$64 \div 8$	$36 \div 6$	4×11	$99 \div 9$	$36 \div 9$	$14 \div 7$	$8 \div 8$	$16 \div 8$	$96 \div 8$
$110 \div 10$	4×9	$36 \div 9$	$12 \div 4$	1×4	$20 \div 5$	1×4	5×9	12×8
9×3	$30 \div 6$	$15 \div 3$	$22 \div 11$	$16 \div 8$	$12 \div 3$	$27 \div 9$	7×6	9×8
8×8	6×4	5×5	$48 \div 12$	$30 \div 10$	$15 \div 5$	6×8	9×9	11×8
11×11	12×11	2×9	7×4	$121 \div 11$	3×9	9×12	12×8	7×11

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

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

$$72 \div 8 > 28 \div 4$$