

Football-Themed 3 Times Table Mosaic

Solve the calculations to reveal the 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

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 division calculations. Explain how you calculated the inverse.

$$21 \div 3 = 7$$

$$30 \div 3 = 10$$

$$9 \times 3 = 27$$

Football-Themed 3 Times Table Mosaic

Answers

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

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 division calculations. Explain how you calculated the inverse.

$$21 \div 3 = 7$$

$$7 \times 3 = 21 \text{ or } 3 \times 7 = 21$$

$$30 \div 3 = 10$$

$$10 \times 3 = 30 \text{ or } 3 \times 10 = 30$$

$$9 \times 3 = 27$$

$$27 \div 3 = 9 \text{ or } 27 \div 9 = 3$$

Football-Themed 4 Times Table Mosaic

Solve the calculations to reveal the 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.

$$32 \div 4 = 8$$

$$44 \div 4 = 11$$

$$20 \div 4 = 5$$

Football-Themed 4 Times Table Mosaic

Answers

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.

$$32 \div 4 = 8$$

$$8 \times 4 = 32 \text{ or } 4 \times 8 = 32$$

$$44 \div 4 = 11$$

$$11 \times 4 = 44 \text{ or } 4 \times 11 = 44$$

$$20 \div 4 = 5$$

$$5 \times 4 = 20 \text{ or } 4 \times 5 = 20$$

Football-Themed 8 Times Table Mosaic

Solve the calculations to reveal the 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.

$$72 \div 8 = 9$$

$$48 \div 8 = 6$$

$$56 \div 8 = 7$$

Football-Themed 8 Times Table Mosaic

Answers

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.

$$72 \div 8 = 9$$

$$9 \times 8 = 72 \text{ or } 8 \times 9 = 72$$

$$48 \div 8 = 6$$

$$6 \times 8 = 48 \text{ or } 8 \times 6 = 48$$

$$56 \div 8 = 7$$

$$7 \times 8 = 56 \text{ or } 8 \times 7 = 56$$

Football-Themed 3, 4 and 8 Times Tables Mosaic

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

skin colour of your choice = 1-4
 hair colour of your choice = 5-6
yellow = 7-18
green = 19-39
blue = 40-65
black = 66-80
red = 88-96

10×4	5×8	2×3	$48 \div 8$	$20 \div 4$	12×4	7×8	6×8	10×4
6×8	12×4	9×8	1×3	10×8	6×8	11×4	11×8	7×8
11×4	7×8	$12 \div 4$	11×8	$8 \div 8$	10×4	7×8	12×8	12×4
5×8	10×4	12×4	$16 \div 8$	11×4	7×8	5×8	$3 \div 3$	10×4
11×4	$27 \div 3$	$80 \div 8$	4×3	$36 \div 3$	$80 \div 8$	7×8	$36 \div 4$	6×8
$44 \div 4$	11×4	$32 \div 4$	3×4	$72 \div 8$	12×4	2×8	10×4	5×8
1×4	3×8	10×8	9×8	10×8	4×8	8×3	8×4	3×8
5×4	10×3	9×8	7×4	9×8	7×3	11×3	9×3	12×3
7×3	9×4	$4 \div 4$	9×3	$12 \div 3$	12×3	8×4	11×3	6×4
4×8	9×8	10×8	12×3	10×8	10×8	4×8	8×3	4×8

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

$$5 \times 8 > 11 \times 3$$

$$16 \div 8 = 15 \div 3$$

Football-Themed 3, 4 and 8 Times Tables Mosaic Answers

skin colour of your choice = 1-4
hair colour of your choice = 5-6
yellow = 7-18
green = 19-39
blue = 40-65
black = 66-80
red = 88-96

10×4	5×8	2×3	$48 \div 8$	$20 \div 4$	12×4	7×8	6×8	10×4
6×8	12×4	9×8	1×3	10×8	6×8	11×4	11×8	7×8
11×4	7×8	$12 \div 4$	11×8	$8 \div 8$	10×4	7×8	12×8	12×4
5×8	10×4	12×4	$16 \div 8$	11×4	7×8	5×8	$3 \div 3$	10×4
11×4	$27 \div 3$	$80 \div 8$	4×3	$36 \div 3$	$80 \div 8$	7×8	$36 \div 4$	6×8
$44 \div 4$	11×4	$32 \div 4$	3×4	$72 \div 8$	12×4	2×8	10×4	5×8
1×4	3×8	10×8	9×8	10×8	4×8	8×3	8×4	3×8
5×4	10×3	9×8	7×4	9×8	7×3	11×3	9×3	12×3
7×3	9×4	$4 \div 4$	9×3	$12 \div 3$	12×3	8×4	11×3	6×4
4×8	9×8	10×8	12×3	10×8	10×8	4×8	8×3	4×8

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

$$5 \times 8 > 11 \times 3$$

This is true because 40 is greater than 33.

$$16 \div 8 = 15 \div 3$$

This is false because 2 is less than 5.

Football-Themed Mixed Times Table Mosaic

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

skin colour of
your choice
= 1-6

blue
= 7-30

red
= 31-60

black
= 61-90

green
= 91-109

white
= 110-144

5×5	$81 \div 9$	4×7	$110 \div 11$	$99 \div 9$	$16 \div 8$	$12 \div 3$	$25 \div 5$	$63 \div 9$
5×4	3×10	$108 \div 9$	$36 \div 3$	8×3	$32 \div 8$	$15 \div 3$	$32 \div 8$	3×7
$56 \div 7$	2×8	$36 \div 3$	$96 \div 8$	$84 \div 7$	$8 \div 4$	$28 \div 7$	$36 \div 6$	$56 \div 8$
6×5	$72 \div 9$	$96 \div 8$	8×2	4×4	$55 \div 11$	$35 \div 7$	$11 \div 11$	3×3
$49 \div 7$	7×4	4×5	12×3	11×10	7×6	12×12	11×5	4×9
10×2	7×7	12×4	12×5	12×12	4×9	11×12	7×8	7×6
7×7	9×4	5×9	11×5	12×10	7×7	12×4	11×11	12×5
4×9	8×7	4×9	7×8	6×7	11×11	7×7	11×10	7×6
12×7	8×8	6×12	10×7	7×9	8×11	8×9	12×6	9×9
9×7	9×12	7×11	10×10	9×8	9×11	6×11	8×12	7×12

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

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

$$3 \times 8 = 12 \times 2$$

Football-Themed Mixed Times Table

Mosaic Answers

skin colour of
your choice
= 1-6

blue
= 7-30

red
= 31-60

black
= 61-90

green
= 91-109

white
= 110-144

5×5	$81 \div 9$	4×7	$110 \div 11$	$99 \div 9$	$16 \div 8$	$12 \div 3$	$25 \div 5$	$63 \div 9$
5×4	3×10	$108 \div 9$	$36 \div 3$	8×3	$32 \div 8$	$15 \div 3$	$32 \div 8$	3×7
$56 \div 7$	2×8	$36 \div 3$	$96 \div 8$	$84 \div 7$	$8 \div 4$	$28 \div 7$	$36 \div 6$	$56 \div 8$
6×5	$72 \div 9$	$96 \div 8$	8×2	4×4	$55 \div 11$	$35 \div 7$	$11 \div 11$	3×3
$49 \div 7$	7×4	4×5	12×3	11×10	7×6	12×12	11×5	4×9
10×2	7×7	12×4	12×5	12×12	4×9	11×12	7×8	7×6
7×7	9×4	5×9	11×5	12×10	7×7	12×4	11×11	12×5
4×9	8×7	4×9	7×8	6×7	11×11	7×7	11×10	7×6
12×7	8×8	6×12	10×7	7×9	8×11	8×9	12×6	9×9
9×7	9×12	7×11	10×10	9×8	9×11	6×11	8×12	7×12

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

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

This is false because 7 is less than 9.

$$3 \times 8 = 12 \times 2$$

This is true because both calculations equal 24.

Football-Themed Mixed Times Table Mosaic

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

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.

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

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

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.