

# Space-Themed 3 Times Table Mosaic

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

light blue =  
1 - 4

dark blue =  
5 - 12

skin colour (of your choice) =  
13 - 24

black =  
25 - 36

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

**Challenge:** Complete each statement using  $<$ ,  $>$  or  $=$ .

$12 \div 3 \square 2 \times 3$

$27 \div 3 \square 3 \times 3$

$4 \times 3 \square 27 \div 3$

# Space-Themed 3 Times Table Mosaic Answers

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

light blue =  
1 - 4

dark blue =  
5 - 12

skin colour (of your choice) =  
13 - 24

black =  
25 - 36

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

**Challenge:** Complete each statement using  $<$ ,  $>$  or  $=$ .

$12 \div 3 \quad \boxed{<} \quad 2 \times 3$

$27 \div 3 \quad \boxed{=} \quad 3 \times 3$

$4 \times 3 \quad \boxed{>} \quad 27 \div 3$

# Space-Themed 4 Times Table Mosaic

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

<b>dark blue</b> = 1 - 6	<b>green</b> = 7 - 12	<b>purple</b> = 13 - 20	<b>black</b> = 21 - 30	<b>light blue</b> = 31 - 43	<b>red</b> = 44 - 47	<b>white</b> = 48
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$6 \times 4$	$12 \div 4$	$24 \div 4$	$20 \div 4$	$7 \times 4$	$1 \times 4$	$20 \div 4$	$12 \div 4$	$6 \times 4$
$4 \times 4$	$24 \div 4$	$8 \div 4$	$12 \div 4$	$5 \times 4$	$16 \div 4$	$8 \div 4$	$24 \div 4$	$4 \times 4$
$1 \times 4$	$5 \times 4$	$24 \div 4$	$16 \div 4$	$4 \times 4$	$4 \div 4$	$24 \div 4$	$5 \times 4$	$16 \div 4$
$20 \div 4$	$4 \div 4$	$4 \times 4$	$1 \times 4$	$5 \times 4$	$12 \div 4$	$4 \times 4$	$1 \times 4$	$8 \div 4$
$8 \div 4$	$16 \div 4$	$32 \div 4$	$2 \times 4$	$44 \div 4$	$36 \div 4$	$40 \div 4$	$20 \div 4$	$12 \div 4$
$24 \div 4$	$40 \div 4$	$48 \div 4$	$12 \times 4$	$8 \times 4$	$12 \times 4$	$32 \div 4$	$2 \times 4$	$4 \div 4$
$3 \times 4$	$32 \div 4$	$3 \times 4$	$8 \times 4$	$7 \times 4$	$8 \times 4$	$44 \div 4$	$32 \div 4$	$44 \div 4$
$8 \div 4$	$44 \div 4$	$40 \div 4$	$12 \times 4$	$10 \times 4$	$12 \times 4$	$36 \div 4$	$3 \times 4$	$1 \times 4$
$1 \times 4$	$16 \div 4$	$48 \div 4$	$32 \div 4$	$48 \div 4$	$2 \times 4$	$48 \div 4$	$12 \div 4$	$20 \div 4$
$12 \div 4$	$4 \div 4$	$20 \div 4$	$2 \times 4$	$11 \times 4$	$40 \div 4$	$24 \div 4$	$4 \div 4$	$16 \div 4$

**Challenge:** Are these statements true or false? Explain your reasons.

$$12 \times 4 < 12 \div 4$$

$$32 \div 4 = 2 \times 4$$

# Space-Themed 4 Times Table Mosaic Answers

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

<b>dark blue</b> = 1 - 6	<b>green</b> = 7 - 12	<b>purple</b> = 13 - 20	<b>black</b> = 21 - 30	<b>light blue</b> = 31 - 43	<b>red</b> = 44 - 47	<b>white</b> = 48
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$6 \times 4$	$12 \div 4$	$24 \div 4$	$20 \div 4$	$7 \times 4$	$1 \times 4$	$20 \div 4$	$12 \div 4$	$6 \times 4$
$4 \times 4$	$24 \div 4$	$8 \div 4$	$12 \div 4$	$5 \times 4$	$16 \div 4$	$8 \div 4$	$24 \div 4$	$4 \times 4$
$1 \times 4$	$5 \times 4$	$24 \div 4$	$16 \div 4$	$4 \times 4$	$4 \div 4$	$24 \div 4$	$5 \times 4$	$16 \div 4$
$20 \div 4$	$4 \div 4$	$4 \times 4$	$1 \times 4$	$5 \times 4$	$12 \div 4$	$4 \times 4$	$1 \times 4$	$8 \div 4$
$8 \div 4$	$16 \div 4$	$32 \div 4$	$2 \times 4$	$44 \div 4$	$36 \div 4$	$40 \div 4$	$20 \div 4$	$12 \div 4$
$24 \div 4$	$40 \div 4$	$48 \div 4$	$12 \times 4$	$8 \times 4$	$12 \times 4$	$32 \div 4$	$2 \times 4$	$4 \div 4$
$3 \times 4$	$32 \div 4$	$3 \times 4$	$8 \times 4$	$7 \times 4$	$8 \times 4$	$44 \div 4$	$32 \div 4$	$44 \div 4$
$8 \div 4$	$44 \div 4$	$40 \div 4$	$12 \times 4$	$10 \times 4$	$12 \times 4$	$36 \div 4$	$3 \times 4$	$1 \times 4$
$1 \times 4$	$16 \div 4$	$48 \div 4$	$32 \div 4$	$48 \div 4$	$2 \times 4$	$48 \div 4$	$12 \div 4$	$20 \div 4$
$12 \div 4$	$4 \div 4$	$20 \div 4$	$2 \times 4$	$11 \times 4$	$40 \div 4$	$24 \div 4$	$4 \div 4$	$16 \div 4$

**Challenge:** Are these statements true or false? Explain your reasons.

$12 \times 4 < 12 \div 4$  **This is false because 48 is not less than 3.**

$32 \div 4 = 2 \times 4$  **This is true because both calculations equal 8.**

# Space-Themed 8 Times Table Mosaic

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

dark blue =  
1 – 6

orange =  
7 – 19

black =  
20 – 80

grey =  
81 – 90

yellow/cream =  
91 – 100

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

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

$$32 \div 8 = 4$$

$$40 \div 8 = 5$$

$$9 \times 8 = 72$$

# Space-Themed 8 Times Table Mosaic Answers

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

**dark blue** =  
1 – 6

**orange** =  
7 – 19

**black** =  
20 – 80

**grey** =  
81 – 90

**yellow/cream** =  
91 – 100

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

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

$$32 \div 8 = 4$$

$$40 \div 8 = 5$$

$$9 \times 8 = 72$$

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

$$5 \times 8 = 40 \text{ and } 8 \times 5 = 40$$

$$72 \div 8 = 9 \text{ and } 72 \div 9 = 8$$

# Space-Themed 3, 4 and 8 Times Table Mosaic

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

dark blue = 1 – 6

orange = 7 – 11

yellow = 12 – 50

black = 51 – 100

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

**Challenge:** Write all the calculations from the 3, 4 and 8 times tables with an answer of 24.

# Space-Themed 3, 4 and 8 Times Table Mosaic **Answers**

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

**dark blue** = 1 – 6

**orange** = 7 – 11

**yellow** = 12 – 50

**black** = 51 – 100

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

**Challenge:** Write all the calculations from the 3, 4 and 8 times tables with an answer of 24.

$3 \times 8$ ,  $6 \times 4$  and  $8 \times 3$



# Space-Themed Mixed Times Table Mosaic

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** =  
 $120 - 144$

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

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

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

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

# Space-Themed Mixed Times Table Mosaic Answers

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

<b>black</b> = 1 - 12	<b>green</b> = 13 - 25	<b>blue</b> = 26 - 40	<b>red</b> = 41 - 60	<b>light grey</b> = 61 - 99	<b>yellow</b> = 100 - 119	<b>brown</b> = 120 - 144
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$9 \times 12$	$16 \div 8$	$12 \div 3$	$16 \div 8$	$12 \div 3$	$24 \div 8$	$10 \times 10$	$35 \div 5$	$48 \div 8$
$84 \div 7$	$32 \div 8$	$15 \div 3$	$12 \times 3$	$8 \times 4$	$35 \div 7$	$63 \div 9$	$24 \div 3$	$27 \div 3$
$25 \div 5$	$72 \div 9$	$5 \times 4$	$8 \times 4$	$4 \times 7$	$5 \times 5$	$3 \times 4$	$56 \div 8$	$11 \times 10$
$32 \div 8$	$49 \div 7$	$7 \times 4$	$9 \times 2$	$4 \times 9$	$11 \times 3$	$3 \times 3$	$36 \div 3$	$110 \div 11$
$36 \div 6$	$42 \div 6$	$3 \times 7$	$3 \times 11$	$2 \times 8$	$4 \times 8$	$20 \div 4$	$12 \times 9$	$96 \div 8$
$11 \div 11$	$20 \div 4$	$1 \times 7$	$4 \times 9$	$6 \times 4$	$7 \times 1$	$40 \div 8$	$3 \times 3$	$2 \times 4$
$36 \div 3$	$10 \times 11$	$3 \times 2$	$40 \div 4$	$21 \div 3$	$32 \div 4$	$12 \times 12$	$7 \times 7$	$8 \times 7$
$96 \div 8$	$80 \div 8$	$18 \div 3$	$72 \div 8$	$30 \div 3$	$56 \div 8$	$11 \times 11$	$12 \times 4$	$7 \times 6$
$1 \times 7$	$12 \times 7$	$8 \times 8$	$6 \times 12$	$10 \times 7$	$7 \times 9$	$12 \times 11$	$8 \times 11$	$35 \div 7$
$9 \times 7$	$7 \times 11$	$8 \times 9$	$12 \times 6$	$9 \times 9$	$11 \times 9$	$7 \times 12$	$6 \times 11$	$8 \times 12$

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

$5 \times 8 < 12 \times 4$  **This is true because  $12 \times 4$  is 48 and  $5 \times 8$  is 40, which is less than 48.**

$72 \div 9 > 56 \div 7$  **This is false because  $72 \div 9$  and  $56 \div 7$  both equal 8.**

# Space-Themed Mixed Times Table Mosaic

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

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

**Challenge:** Write all the times tables calculations with an answer of 36.

# 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

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

**Challenge:** Write all the times tables calculations with an answer of 36.

$1 \times 36$ ,  $2 \times 18$ ,  $3 \times 12$ ,  $4 \times 9$ ,  $6 \times 6$ ,  $9 \times 4$ ,  $12 \times 3$ ,  $18 \times 2$  and  $36 \times 1$