

Christmas Multiplication Tables and Division Facts

Solve the calculations to reveal the hidden picture.

Each answer has a special colour.

Blue

Answer ends in 0

Yellow

Answer ends in 5

Green

Answer ends in 2 or 4

Red

Answer ends in 6 or 8

Brown

Answer ends in 1, 3, 7 or 9

2×10	10×3	5×4	1×10	5×7	6×5	6×10	2×5	8×5
4×5	5×2	7×10	10×5	2×2	2×10	6×5	10×6	5×2
10×10	8×5	6×10	4×7	7×2	2×8	10×5	4×5	10×9
5×4	10×11	5×3	2×6	9×5	3×4	5×1	3×10	5×12
10×3	2×5	12×2	7×2	11×4	2×2	8×3	5×8	7×10
5×6	9×2	2×7	2×4	2×12	9×2	3×4	7×4	12×5
10×8	6×2	11×5	2×7	7×5	2×1	5×9	3×8	4×10
8×3	7×2	12×2	3×4	2×2	6×4	2×11	12×2	7×2
1×5	4×3	9×4	2×7	3×5	12×2	2×4	4×11	5×11
5×2	7×10	10×5	3×7	3×3	9×3	10×10	8×5	6×10

Challenge Question: Which calculations in the mosaic above have an answer ending in 4?

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Blue

Answer ends in 0

Yellow

Answer ends in 5

Green

Answer ends in 2 or 4

Red

Answer ends in 6 or 8

Brown

Answer ends in 1, 3, 7 or 9

2×10	10×3	5×4	1×10	5×7	6×5	6×10	2×5	8×5
4×5	5×2	7×10	10×5	2×2	2×10	6×5	10×6	5×2
10×10	8×5	6×10	4×7	7×2	2×8	10×5	4×5	10×9
5×4	10×11	5×3	2×6	9×5	3×4	5×1	3×10	5×12
10×3	2×5	12×2	7×2	11×4	2×2	8×3	5×8	7×10
5×6	9×2	2×7	2×4	2×12	9×2	3×4	7×4	12×5
10×8	6×2	11×5	2×7	7×5	2×1	5×9	3×8	4×10
8×3	7×2	12×2	3×4	2×2	6×4	2×11	12×2	7×2
1×5	4×3	9×4	2×7	3×5	12×2	2×4	4×11	5×11
5×2	7×10	10×5	3×7	3×3	9×3	10×10	8×5	6×10

Challenge Question: Which calculations in the mosaic above have an answer ending in 4?

2×2 , 7×2 , 2×7 , 12×2 , 2×12

Christmas Multiplication Tables and Division Facts

Solve the calculations to reveal the hidden picture.

Each answer has a special colour.

Brown

1 - 5

Blue

6 - 10

Red

11 - 20

Black

21 - 40

Green

41 - 80

White

81 - 100

$36 \div 4$	$6 \div 2$	$16 \div 2$	$18 \div 6$	4×2	$40 \div 8$	$27 \div 3$	2×2	$12 \div 2$
5×2	$45 \div 5$	$35 \div 7$	$24 \div 4$	3×3	$14 \div 2$	1×5	$21 \div 3$	$18 \div 2$
$35 \div 5$	$36 \div 6$	$54 \div 9$	3×1	$12 \div 4$	$27 \div 9$	$81 \div 9$	$64 \div 8$	$50 \div 5$
4×2	1×9	$8 \div 2$	$24 \div 6$	$32 \div 8$	$15 \div 3$	$18 \div 9$	$30 \div 5$	$42 \div 7$
$48 \div 8$	10×1	4×1	10×10	$10 \div 2$	11×9	1×1	$16 \div 2$	$63 \div 9$
$30 \div 5$	$24 \div 8$	$15 \div 5$	6×6	$12 \div 4$	4×8	$10 \div 2$	$9 \div 3$	3×3
6×7	2×2	$25 \div 5$	$12 \div 6$	$16 \div 8$	$6 \div 3$	5×1	$4 \div 2$	5×9
8×8	5×10	$6 \div 6$	$3 \div 1$	$8 \div 4$	$10 \div 5$	$18 \div 6$	8×6	10×8
6×10	12×5	$15 \div 3$	$18 \div 9$	$8 \div 2$	3×1	$12 \div 4$	11×6	8×7
7×9	5×11	9×8	4×4	$36 \div 3$	9×2	10×7	7×6	7×11

Challenge Question: What is the relationship between 6×10 and 12×5 ?

Christmas Multiplication Tables and Division Facts

Brown

Blue

Red

Black

Green

White

1 - 5

6 - 10

11 - 20

21 - 40

41 - 80

81 - 100

$36 \div 4$	$6 \div 2$	$16 \div 2$	$18 \div 6$	4×2	$40 \div 8$	$27 \div 3$	2×2	$12 \div 2$
5×2	$45 \div 5$	$35 \div 7$	$24 \div 4$	3×3	$14 \div 2$	1×5	$21 \div 3$	$18 \div 2$
$35 \div 5$	$36 \div 6$	$54 \div 9$	3×1	$12 \div 4$	$27 \div 9$	$81 \div 9$	$64 \div 8$	$50 \div 5$
4×2	1×9	$8 \div 2$	$24 \div 6$	$32 \div 8$	$15 \div 3$	$18 \div 9$	$30 \div 5$	$42 \div 7$
$48 \div 8$	10×1	4×1	10×10	$10 \div 2$	11×9	1×1	$16 \div 2$	$63 \div 9$
$30 \div 5$	$24 \div 8$	$15 \div 5$	6×6	$12 \div 4$	4×8	$10 \div 2$	$9 \div 3$	3×3
6×7	2×2	$25 \div 5$	$12 \div 6$	$16 \div 8$	$6 \div 3$	5×1	$4 \div 2$	5×9
8×8	5×10	$6 \div 6$	$3 \div 1$	$8 \div 4$	$10 \div 5$	$18 \div 6$	8×6	10×8
6×10	12×5	$15 \div 3$	$18 \div 9$	$8 \div 2$	3×1	$12 \div 4$	11×6	8×7
7×9	5×11	9×8	4×4	$36 \div 3$	9×2	10×7	7×6	7×11

Challenge Question: What is the relationship between 6×10 and 12×5 ?

Both are 60. Double one number and half the other number gives the same answer when multiplying.

Christmas Multiplication Tables and Division Facts

Solve the calculations to reveal the hidden picture.

Each answer has a special colour.

Red	Black	Blue	Yellow/Gold	Purple	White
1 or 2	3 or 4	5 or 6	7 or 8	9 or 10	11 or 12

$3 \div 3$	$4 \div 2$	$5 \div 5$	$15 \div 3$	$6 \div 1$	$10 \div 2$	$66 \div 11$	$55 \div 11$	$12 \div 2$
$10 \div 5$	$8 \div 8$	$6 \div 3$	$24 \div 4$	$5 \div 1$	$35 \div 7$	$60 \div 12$	$30 \div 5$	$20 \div 4$
$9 \div 9$	$12 \div 6$	$11 \div 11$	$25 \div 5$	$40 \div 8$	$7 \div 1$	$54 \div 9$	$24 \div 3$	$45 \div 9$
$2 \div 1$	$7 \div 7$	$8 \div 4$	$60 \div 10$	$32 \div 4$	$36 \div 6$	$48 \div 6$	$72 \div 12$	$28 \div 4$
$14 \div 7$	$12 \div 12$	$18 \div 9$	$30 \div 6$	$50 \div 10$	$35 \div 5$	$16 \div 2$	$84 \div 12$	$42 \div 7$
$77 \div 7$	$60 \div 5$	$22 \div 2$	$18 \div 3$	$18 \div 2$	$100 \div 10$	$64 \div 8$	$45 \div 5$	$10 \div 1$
$12 \div 4$	$24 \div 6$	$18 \div 6$	$35 \div 7$	$56 \div 8$	$56 \div 7$	$14 \div 2$	$80 \div 10$	$77 \div 11$
$40 \div 10$	$30 \div 10$	$32 \div 8$	$48 \div 8$	$36 \div 4$	$30 \div 3$	$8 \div 1$	$70 \div 7$	$63 \div 7$
$4 \div 1$	$48 \div 12$	$12 \div 3$	$16 \div 4$	$50 \div 5$	$108 \div 12$	$49 \div 7$	$27 \div 3$	$20 \div 2$
$20 \div 5$	$15 \div 5$	$8 \div 2$	$44 \div 11$	$54 \div 6$	$120 \div 12$	$40 \div 5$	$60 \div 6$	$81 \div 9$

Challenge question: Write as many calculations as you can using whole numbers that begin $24 \div$.

Christmas Multiplication Tables and Division Facts

Red **Black** **Blue** **Yellow/Gold** **Purple** **White**
 1 or 2 3 or 4 5 or 6 7 or 8 9 or 10 11 or 12

$3 \div 3$	$4 \div 2$	$5 \div 5$	$15 \div 3$	$6 \div 1$	$10 \div 2$	$66 \div 11$	$55 \div 11$	$12 \div 2$
$10 \div 5$	$8 \div 8$	$6 \div 3$	$24 \div 4$	$5 \div 1$	$35 \div 7$	$60 \div 12$	$30 \div 5$	$20 \div 4$
$9 \div 9$	$12 \div 6$	$11 \div 11$	$25 \div 5$	$40 \div 8$	$7 \div 1$	$54 \div 9$	$24 \div 3$	$45 \div 9$
$2 \div 1$	$7 \div 7$	$8 \div 4$	$60 \div 10$	$32 \div 4$	$36 \div 6$	$48 \div 6$	$72 \div 12$	$28 \div 4$
$14 \div 7$	$12 \div 12$	$18 \div 9$	$30 \div 6$	$50 \div 10$	$35 \div 5$	$16 \div 2$	$84 \div 12$	$42 \div 7$
$77 \div 7$	$60 \div 5$	$22 \div 2$	$18 \div 3$	$18 \div 2$	$100 \div 10$	$64 \div 8$	$45 \div 5$	$10 \div 1$
$12 \div 4$	$24 \div 6$	$18 \div 6$	$35 \div 7$	$56 \div 8$	$56 \div 7$	$14 \div 2$	$80 \div 10$	$77 \div 11$
$40 \div 10$	$30 \div 10$	$32 \div 8$	$48 \div 8$	$36 \div 4$	$30 \div 3$	$8 \div 1$	$70 \div 7$	$63 \div 7$
$4 \div 1$	$48 \div 12$	$12 \div 3$	$16 \div 4$	$50 \div 5$	$108 \div 12$	$49 \div 7$	$27 \div 3$	$20 \div 2$
$20 \div 5$	$15 \div 5$	$8 \div 2$	$44 \div 11$	$54 \div 6$	$120 \div 12$	$40 \div 5$	$60 \div 6$	$81 \div 9$

Challenge question: Write as many calculations as you can using whole numbers that begin $24 \div$.

$24 \div 1 = 24$, $24 \div 2 = 12$, $24 \div 3 = 8$, $24 \div 4 = 6$, $24 \div 6 = 4$, $24 \div 8 = 3$,
 $24 \div 12 = 2$, $24 \div 24 = 1$