

Easter-Themed Multiplication and Division Mosaic

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

1 to 8 = grey

9 to 30 = blue

31 to 80 = pink

81 to 144 = black

$30 \div 3$	4×3	3×2	12×3	4×6	9×5	3×1	$27 \div 3$	$30 \div 3$
$144 \div 12$	$33 \div 3$	$18 \div 3$	7×9	$63 \div 7$	11×3	$36 \div 12$	$48 \div 4$	$66 \div 6$
$36 \div 4$	5×5	$25 \div 5$	6×6	$33 \div 3$	5×12	$32 \div 8$	$72 \div 8$	8×2
$81 \div 9$	11×2	2×4	10×7	$72 \div 8$	7×7	$24 \div 12$	6×5	$84 \div 7$
$108 \div 12$	$66 \div 6$	2×4	8×8	7×2	9×8	$54 \div 9$	$55 \div 5$	2×12
3×8	9×3	$36 \div 9$	$24 \div 6$	$40 \div 5$	$28 \div 7$	$42 \div 6$	4×7	$27 \div 3$
$48 \div 4$	$63 \div 7$	2×2	12×10	$35 \div 7$	9×9	$21 \div 3$	8×3	3×5
$36 \div 3$	8×3	$27 \div 9$	1×8	$21 \div 3$	$16 \div 2$	1×5	4×5	$45 \div 5$
$96 \div 8$	$20 \div 2$	2×3	$25 \div 5$	8×5	$24 \div 4$	$24 \div 8$	$63 \div 7$	10×3
7×4	6×5	$42 \div 7$	$36 \div 6$	$28 \div 7$	4×2	3×2	$27 \div 3$	$44 \div 4$

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

$21 \div 3 = 7$	$6 \times 4 = 24$	$9 \times 6 = 54$
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$36 \div 4$	5×5	$25 \div 5$	6×6	$33 \div 3$	5×12	$32 \div 8$	$72 \div 8$	8×2
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$48 \div 4$	$63 \div 7$	2×2	12×10	$35 \div 7$	9×9	$21 \div 3$	8×3	3×5
$36 \div 3$	8×3	$27 \div 9$	1×8	$21 \div 3$	$16 \div 2$	1×5	4×5	$45 \div 5$
$96 \div 8$	$20 \div 2$	2×3	$25 \div 5$	8×5	$24 \div 4$	$24 \div 8$	$63 \div 7$	10×3
7×4	6×5	$42 \div 7$	$36 \div 6$	$28 \div 7$	4×2	3×2	$27 \div 3$	$44 \div 4$

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

$21 \div 3 = 7$ $7 \times 3 = 21$ and $3 \times 7 = 21$	$6 \times 4 = 24$ $24 \div 6 = 4$ and $24 \div 4 = 6$	$9 \times 6 = 54$ $54 \div 9 = 6$ and $54 \div 6 = 9$
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yellow = 1.8

blue = 3.6

orange = 0.12

green = 2.8

black = 0.45

6×0.6	0.9×4	2×1.8	1×1.8	0.9×2	0.18×10	1.8×2	400×0.009	1.2×3
10×0.36	3×1.2	0.2×9	0.9×0.5	3×0.6	0.045×10	0.6×3	40×0.09	12×0.3
1.2×3	0.04×90	1.2×3	0.3×6	0.3×0.4	20×0.09	18×0.2	0.6×6	0.2×18
10×0.18	1×1.8	9×0.2	0.6×3	0.18×10	6×0.3	0.2×9	1×1.8	6×0.3
6×0.6	0.2×9	6×0.3	1×1.8	0.6×3	0.2×9	0.6×3	0.09×20	30×0.12
12×0.3	9×0.4	12×0.3	0.018×100	0.9×2	0.6×3	60×0.06	0.4×9	1.2×3
1.2×3	0.04×90	18×0.2	20×0.09	1×1.8	6×0.3	30×0.12	1.8×2	0.036×100
0.6×6	12×0.3	20×0.18	30×0.004	0.36×10	1×0.12	0.04×90	2×1.8	6×0.6
0.9×4	0.012×300	2×0.06	0.1×1.2	1.2×3	3×0.04	0.2×0.6	10×0.36	18×0.2
0.4×7	1.4×2	20×0.14	1×2.8	0.028×100	1.4×2	4×0.7	2×1.4	0.28×10

Challenge question: Say whether the following calculations are true or false.

$$0.5 \times 0.7 = 3.5$$

$$0.006 \times 8 = 0.048$$

$$0.07 \times 80 = 0.56$$

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1.2×3	0.04×90	1.2×3	0.3×6	0.3×0.4	20×0.09	18×0.2	0.6×6	0.2×18
10×0.18	1×1.8	9×0.2	0.6×3	0.18×10	6×0.3	0.2×9	1×1.8	6×0.3
6×0.6	0.2×9	6×0.3	1×1.8	0.6×3	0.2×9	0.6×3	0.09×20	30×0.12
12×0.3	9×0.4	12×0.3	0.018×100	0.9×2	0.6×3	60×0.06	0.4×9	1.2×3
1.2×3	0.04×90	18×0.2	20×0.09	1×1.8	6×0.3	30×0.12	1.8×2	0.036×100
0.6×6	12×0.3	20×0.18	30×0.004	0.36×10	1×0.12	0.04×90	2×1.8	6×0.6
0.9×4	0.012×300	2×0.06	0.1×1.2	1.2×3	3×0.04	0.2×0.6	10×0.36	18×0.2
0.4×7	1.4×2	20×0.14	1×2.8	0.028×100	1.4×2	4×0.7	2×1.4	0.28×10

Challenge question: Say whether the following calculations are true or false.

$$0.5 \times 0.7 = 3.5$$

False

$$0.006 \times 8 = 0.048$$

True

$$0.07 \times 80 = 0.56$$

False

Easter-Themed Multiplication and Division Mosaic

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

gold = prime number light yellow = square number black = any other number purple = factor of 240 pink = cube number

10	7	13	120	40	6	53	97	20
80	71	4	53	1	79	100	29	4
12	31	36	19	60	23	16	3	10
30	8	5	61	4	59	41	1	3
6	10	23	11	67	17	7	120	24
80	17	5	14	49	22	53	37	30
12	43	9	144	27	81	16	79	2
4	3	83	121	25	4	13	1	60
20	60	6	89	81	5	8	12	24
10	7	19	29	41	97	47	11	10

Challenge question: What am I?

I am an even number. I am a factor of 192 and a multiple of 8. I am a cube number. What am I?

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gold = prime number light yellow = square number black = any other number purple = factor of 240 pink = cube number

10	7	13	120	40	6	53	97	20
80	71	4	53	1	79	100	29	4
12	31	36	19	60	23	16	3	10
30	8	5	61	4	59	41	1	3
6	10	23	11	67	17	7	120	24
80	17	5	14	49	22	53	37	30
12	43	9	144	27	81	16	79	2
4	3	83	121	25	4	13	1	60
20	60	6	89	81	5	8	12	24
10	7	19	29	41	97	47	11	10

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I am an even number. I am a factor of 192 and a multiple of 8. I am a cube number. What am I?
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