

# Calendar Equations ~ Constrained Math

## To the Teacher

Learn more about this activity in the post [S.C.A.M.P.E.R. the 24 Game for 2024](#).

Find many other fun calendar resources, including Calendar Tricks, [HERE](#).

Report errors in this document (there are bound to be a few!) [HERE](#).



# JANUARY 2024

<p>1</p> <p style="text-align: center;">1/1/24</p> <p style="text-align: center;"><math>1+1+2=4</math></p>	<p>2</p> <p style="text-align: center;">1/2/24</p> <p style="text-align: center;"><math>1 \times 2 \times 2 = 4</math></p>	<p>3</p> <p style="text-align: center;">1/3/2024</p> <p style="text-align: center;"><math>1+3-(2 \times 0 \times 2) = 4</math></p>	<p>4</p> <p style="text-align: center;">1/4/2024</p> <p style="text-align: center;"><math>(1 \times 4) - (2 \times 0 \times 2) = 4</math></p>	<p>5</p> <p style="text-align: center;">1/5/24</p> <p style="text-align: center;"><math>1+5-2=4</math></p>
<p>8</p> <p style="text-align: center;">1/8/24</p> <p style="text-align: center;"><math>1 \times 8 \div 2 = 4</math></p>	<p>9</p> <p style="text-align: center;">1/9/2024</p> <p style="text-align: center;"><math>(1+9-2+0) \div 2 = 4</math></p>	<p>10</p> <p style="text-align: center;">1/10/24</p> <p style="text-align: center;"><math>1+1+0+2=4</math></p>	<p>11</p> <p style="text-align: center;">1/11/24</p> <p style="text-align: center;"><math>1+1+(1 \times 2) = 4</math></p>	<p>12</p> <p style="text-align: center;">1/12/24</p> <p style="text-align: center;"><math>(1-1)+2+2=4</math></p>
<p>13</p> <p style="text-align: center;">1/13/24</p> <p style="text-align: center;"><math>(11-3) \div 2 = 4</math></p>	<p>14</p> <p style="text-align: center;">1/14/24</p> <p style="text-align: center;"><math>(1+1) \times 4 \div 2 = 4</math></p>	<p>15</p> <p style="text-align: center;">1/15/24</p> <p style="text-align: center;"><math>1+(1 \times 5) - 2 = 4</math></p>	<p>16</p> <p style="text-align: center;">1/16/24</p> <p style="text-align: center;"><math>(1 \times 1) + (6 \div 2) = 4</math></p>	<p>17</p> <p style="text-align: center;">1/17/24</p> <p style="text-align: center;"><math>1 \times (1+7) \div 2 = 4</math></p>
<p>20</p> <p style="text-align: center;">1/20/24</p> <p style="text-align: center;"><math>1 \times (2+0+2) = 4</math></p>	<p>21</p> <p style="text-align: center;">1/21/24</p> <p style="text-align: center;"><math>1 \times 2 \times 1 \times 2 = 4</math></p>	<p>22</p> <p style="text-align: center;">1/22/24</p> <p style="text-align: center;"><math>12 \times 2 = 24</math></p>	<p>23</p> <p style="text-align: center;">1/23/24</p> <p style="text-align: center;"><math>1+23=24</math></p>	<p>24</p> <p style="text-align: center;">1/24/24</p> <p style="text-align: center;"><math>1 \times 24 = 24</math></p>
<p>27</p> <p style="text-align: center;">1/27/2024</p> <p style="text-align: center;"><math>[(1+2)+(7-2)] \div (0+2) = 4</math></p>	<p>28</p> <p style="text-align: center;">1/28/2024</p> <p style="text-align: center;"><math>(12-8)+(2 \times 0 \times 2) = 4</math></p>	<p>29</p> <p style="text-align: center;">1/29/2024</p> <p style="text-align: center;"><math>(12-9)+[(2+0) \div 2] = 4</math></p>	<p>30</p> <p style="text-align: center;">1/30/24</p> <p style="text-align: center;"><math>1+3+(0 \times 2) = 4</math></p>	<p>31</p> <p style="text-align: center;">1/31/2024</p> <p style="text-align: center;"><math>(1+3)+(1 \times 2 \times 0 \times 2) = 4</math></p>

# FEBRUARY 2024

			1 2/1/24 $2 \times 1 \times 2 = 4$	2 2/2/2024 $22 + 2 + 0 = 24$
5 2/5/2024 $2 \times (5 - 2) + 0 - 2 = 4$	6 2/6/2024 $26 - 2 = 0 + 24$	7 2/7/2024 $2 + (7 \times 2 \times 0) + 2 = 4$	8 2/8/2024 $(2 \times 8) \div (2 + 0 + 2) = 4$	9 2024/02/09 $[(20 - 2) + (4 \times 0)] \div 2 = 0 + 9$
12 2/12/24 $2 \times 12 = 24$	13 2/13/24 $2 + 1 + 3 - 2 = 4$	14 2/14/24 $2 \times 1 \times 4 \div 2 = 4$	15 2/15/24 $(2 + 1 + 5) \div 2 = 4$	16 2/16/24 $[(2 \times 1) + 6] \div 2 = 4$
19 2/19/2024 $(2 + 1 + 9) \times 2 + 0 = 24$	20 2/20/24 $(2 \times 2) + (0 \times 2) = 4$	21 2/21/2024 $(2 \times 2 \times 1) + 20 = 24$	22 2/22/24 $2 + 22 = 24$	23 2/23/2024 $(2 \times 2 \times 3) \times (2 + 0) = 24$
26 2/26/24 $2 \times 2 \times 6 = 24$	27 2/27/2024 $(2 \div 2) + 7 = 2 + 0 + 2 + 4$	28 2/28/24 $(2 - 2) + (8 \div 2) = 4$	29 <b>LEAP DAY!</b> 2/29/2024 $2 \times 2 + (9 \times 2 \times 0 \times 2) = 4$	

# MARCH 2024

				1 3/2/2024 $(3 \times 2) + (2 \times 0) - 2 = 4$
4 3/4/2024 $(3 \times 4 \times 2) + 0 = 24$	5 3/5/2024 $3 + (5 - 2) - 2 + 0 = 4$	6 2024/03/06 $(2 \times 0) + 2 + 4 + (0 \times 3 \times 0) = 6$	7 3/7/2024 $3 + (7 - 2) \div 2 = 0 + 4$	8 3/8/24 $(3 \times 8) = 24$
11 3/11/24 $(3 - 1) + (1 \times 2) = 4$	12 3/12/24 $(3 + 1) \times 2 \div 2 = 4$	13 3/13/24 $(3 + 1) \times (3 - 2) = 4$	14 3/14/24 $(3 - 1) + (4 \div 2) = 4$	15 3/15/24 $[(3 \times 1) + 5] \div 2 = 4$
18 3/18/2024 $(3 + 1) + (8 \div 2) \div (0 + 2) = 4$	19 3/19/2024 $(3 - 1) + (9 \times 2 \times 0) + 2 = 4$	20 3/20/24 $(3 \times 2) - 2 = 4$	21 3/21/24 $3 + 21 = 24$	22 3/22/2024 $(3 \times 2 \times 2 \times 2) + 0 = 24$
25 3/25/24 $(3 - 2) + 5 - 2 = 4$	26 3/26/24 $[(3 - 2) \times 6] - 2 = 4$	27 3/27/24 $\{(3 - 2) + 7\} \div 2 = 4$	28 3/28/2024 $(3 \times 2) + (8 \times 2 \times 0) - 2 = 4$	29 3/29/2024 $(3 \times 2) + (9 \times 2 \times 0) - 2 = 4$

# PALINDROME MONTH

## APRIL 2024

# PALINDROME MONTH

1 4/1/2024 $(4 \times 1 \times 2) + 0 = 2 \times 4$	2 <b>4/2/24</b> $(4 \times 2) \div 2 = 4$	3 4/3/2024 $(4 \times 3 \times 2) + 0 = 24$	4 4/4/24 $(4 + 4) \div 2 = 4$	5 4/5/2024 $4 + (5 \times 2 \times 0 \times 2) = 4$
8 4/8/2024 $[(4 + 8) \times 2] + 0 = 24$	9 4/9/2024 $4 + (9 \times 2 \times 0 \times 2) = 4$	10 4/10/24 $4 \times 1 + (0 \times 2) = 4$	11 4/11/24 $4 + 1 + 1 = 2 + 4$	12 4/12/24 $4 \times 1 \times 2 = 2 \times 4$
15 4/15/2024 $(4 - 1) + (5 - 2) + 0 = 2 + 4$	16 4/16/24 $4 \times 1 \times 6 = 24$	17 4/17/2024 $(4 - 1) + (7 - 2) \div (0 + 2) = 4$	18 4/18/2024 $(4 \times 1) \times (8 - 2) + 0 = 24$	19 4/19/2024 $[(4 - 1) + 9] \times 2 = 0 + 24$
22 <b>4/22/24</b> $(4 + 2 + 2) \div 2 = 4$	23 <b>4/21/24</b> $4 \times 2 \times 3 = 24$	24 <b>4/24/24</b> $(4 + 2) - (4 - 2) = 4$	25 <b>4/25/2024</b> $(4 - 2) \times (5 - 2) - (0 + 2) = 4$	26 <b>4/26/24</b> $(4 \times 2) - (6 - 2) = 4$
29 <b>2024/04/29</b> $[(2 + 0 + 2) \div 4] + 0 + (4 \times 2) = 9$	30 4/30/2024 $(4 \times 3) \times (0 + 2 + 0) = 24$			

# MAY 2024

		1 5/1/24 $5+1-2=4$	2 5/2/2024 $(5 \times 2) - 2 + 0 = 2 \times 4$	3 5/3/24 $(5+3) \div 2 = 4$
6 5/6/2024 $[5+(6 \div 2)+0] \div 2 = 4$	7 5/7/2024 $[(5+7) \div 2] - (0+2) = 4$	8 2024/05/08 $(2 \times 0) + (2 \times 4) + (0 \times 5 \times 0) = 8$	9 2024/05/09 $(2 \times 0 \times 2) + (4+0+5+0) = 9$	10 5/10/24 $(5-1) + (0 \times 2) = 4$
13 5/13/24 $(5 \times 1) - (3-2) = 4$	14 5/14/24 $(5+1) - (4-2) = 4$	15 5/15/2024 $(5+1) \div (5-2) + 0 + 2 = 4$	16 5/16/2024 $(5+1+6) \times 2 = 0 + 24$	17 5/17/2024 $[(5 \times 1) + 7] \times 2 = 0 + 24$
20 5/20/2024 $(5-2) + 0 + [(2+0) \div 2] = 4$	21 5/21/24 $5+2+1 = 2 \times 4$	22 5/22/24 $(5-2) + (2 \div 2) = 4$	23 5/23/24 $(5-2) + (3-2) = 4$	24 5/24/24 $(5 \times 2) - (4+2) = 4$
27 5/27/2024 $(5-2) + (7-2) + 0 = 2 \times 4$	28 5/28/24 $[(5 \times 2) - 8] \times 2 = 4$	29 5/29/2024 $[(5-2) + 9] \times 2 = 0 + 24$	30 5/30/24 $(5+3+0) \div 2 = 4$	31 5/31/24 $[(5+3) \times 1] \div 2 = 4$

# JUNE 2024

3  6/3/24 $(6 \div 3) \times 2 = 4$	4  6/4/24 $6 \times 4 = 24$	5  6/5/2024 $[6 \div (5 - 2)] + 0 + 2 = 4$	6  6/6/2024 $(6 + 6) \times 2 + 0 = 24$	7  6/7/2024 $6 - (7 \times 2 \times 0) - 2 = 4$
10  6/10/24 $(6 \times 1) - 0 - 2 = 4$	11  6/11/24 $(6 \times 1) - (1 \times 2) = 4$	12  6/12/24 $6 - [1 + (2 \div 2)] = 4$	13  6/13/24 $6 \times (1 + 3) = 24$	14  6/14/24 $6 \times 1 \times 4 = 24$
17  6/17/2024 $6 \times [(1 + 7) \div 2] + 0 = 24$	18  6/18/24 $6 + 18 = 24$	19  2024/06/19 $(20 \div 2) + (4 \times 0 \times 6) = 1 + 9$	20  6/20/2024 $(6 \times 2) \times (2 + 0) = 24$	21  6/21/24 $(6 + 2) \times 1 = 2 \times 4$
24  6/24/2024 $(6 \div 2) \times (4 \times 2) + 0 = 24$	25  6/25/2024 $(6 + 2) \times (5 - 2) + 0 = 24$	26  6/26/24 $[(6 \times 2 \div 6) \times 2] = 4$	27  6/27/2024 $[(6 + 2) - 7] + [(2 + 0) \times 2] = 4$	28  6/28/24 $(6 \div 2) \times 8 = 24$

# JULY 2024

1 7/1/24 $(7+1) \div 2 = 4$	2 7/2/2024 $(7-2) - [(2+0) \div 2] = 4$	3 7/3/2024 $[(7+3) \div 2] - [(2+0) \div 2] = 4$	4 7/4/2024 $(7-4) + [(2+0) \div 2] = 4$	5 7/5/24 $(7-5) \times 2 = 4$
8 7/8/2024 $[7 - (8-2)] + [(2+0) \times 2] = 4$	9 7/9/2024 $(7+9) \div [(2+0) \times 2] = 4$	10 7/10/24 $(7+1) \div (0+2) = 4$	11 7/11/24 $(7+1) \div (1 \times 2) = 4$	12 7/12/24 $(7+1) - (2+2) = 4$
15 7/15/24 $(7+1) \times (5-2) = 4$	16 7/16/24 $[(7+1) - 6] \times 2 = 4$	17 7/17/24 $7+17=24$	18 7/18/24 $(7+1) - (8 \div 2) = 4$	19 7/19/2024 $(7+1) \div [(9 \times 2 \times 0) + 2] = 4$
22 7/22/24 $(7-2) - (2 \div 2) = 4$	23 7/23/24 $(7+2) - (3+2) = 4$	24 7/24/2024 $(7 \times 2) - (4 \times 2) - (0+2) = 4$	25 7/25/2024 $(7-2) - (5-2) \times (0+2) = 4$	26 7/26/2024 $[(7+2) - 6] \times 2 = 0+2+4$
29 7/29/2024 $[(7+2) \div 9] \times 2 \times 2 = 24$	30 7/30/24 $(7-3) + (0 \times 2) = 4$	31 7/31/24 $(7-3) - (1 \times 2) = 4$		



# AUGUST 2024

			1 8/1/24 $8 \div (1 \times 2) = 4$	2 8/2/24 $(8 - 2) - 2 = 4$
5 8/5/2024 $[8 \times (5 - 2)] + 0 = 24$	6 8/6/24 $(8 - 6) \times 2 = 4$	7 8/7/2024 $[(8 - 7) \times 2] \times (0 + 2) = 4$	8 8/8/2024 $(8 \div 8) + 2 + 0 + 2 = 4$	9 2024/08/09 $(2 + 0 + 2) + (40 \div 8) = 9$
12 8/12/24 $8 \times (1 + 2) = 24$	13 8/13/24 $8 \times (1 \times 3) = 24$	14 8/14/2024 $8 \times [(1 + 4) - 2] + 0 = 24$	15 8/15/24 $(8 - 1) - (5 - 2) = 4$	16 8/16/24 $8 + 16 = 24$
19 8/19/2024 $(8 + 1) - [(9 - 2) - 2] = 4$	20 8/20/24 $(8 \div 2) + (0 \times 2) = 4$	21 8/21/24 $8 \times (2 + 1) = 4$	22 8/22/24 $(8 \times 2) \div (2 \times 2) = 4$	23 8/23/24 $[(8 - 2) \div 3] \times 2 = 4$
26 8/26/24 $(8 \times 2) \div (6 - 2) = 4$	27 8/27/2024 $(8 - 2) - (7 \times 2 \times 0) - 2 = 4$	28 8/28/24 $(8 + 2) - (8 - 2) = 4$	29	30

# SEPTEMBER 2024

2 2024/09/02 $(2+0)+(2\times 4\times 0\times 9\times 0)=2$	3 9/3/2024 $(9+3)\times(2+0)=24$	4 9/4/2024 $(9-4)-[(2+0)\div 2]=4$	5 9/5/2024 $(9-5)+(2\times 0\times 2)=4$	6 9/6/2024 $(9-6)+[(2+0)\div 2]=4$
9 9/9/2024 $(9\div 9)\times(2+0+2)=4$	10 9/10/2024 $(9-1)\div[(2\times 0)+2]=4$	11 9/11/24 $(9-1)\div(1\times 2)=4$	12 9/12/24 $9-(1+2+2)=4$	13 9/13/24 $(9+1)-(3\times 2)=4$
16 9/16/24 $(9-1)-(6-2)=4$	17 9/17/24 $(9\times 1)-(7-2)=4$	18 9/18/24 $(9+1)-(8-2)=4$	19 9/19/2024 $[(9\times 1)-9]+(2+0+2)=4$	20 2024/09/20 $20+(2\times 4\times 0\times 9)=20$
23 9/23/24 $[(9\times 2)\div 3]-2=4$	24 9/24/2024 $[(9-(2+4))+[(0+2)\div 2]]=4$	25 9/25/24 $[9-(2+5)]\times 2=4$	26 9/26/24 $(9\times 2)+6=24$	27 9/27/24 $(9\times 2)-(7\times 2)=4$
30 9/30/24 $(9-3)-(0+2)=4$				

# OCTOBER 2024

	1 10/3/24 $10-(3 \times 2)=4$	2 10/2/24 $1 \times (0+2+2)=4$	3 10/3/24 $10-(3 \times 2)=4$	4 10/4/24 $10-(4+2)=4$
7	8 10/8/24 $10-(8-2)=4$	9 10/9/2024 $(10-9) \times (2+0+2)=4$	10 10/10/24 $1+0+1+0+2=4$	11 10/11/24 $(1 \times 0)+(1+1+2)=4$
14	15 10/15/24 $(1 \times 0)+(1+5)-2=4$	16 10/16/24 $(1+0)+(1 \times 6)-2=4$	17 10/17/24 $[1+0+(1 \times 7)] \div 2=4$	18 10/18/24 $10-[(1 \times 8)-2]=4$
21	22 10/22/24 $(10-2)-(2+2)=4$	23 10/23/24 $1+0+23=24$	24 10/24/24 $(1 \times 0)+24=24$	25 10/25/24 $(1+0+2+5) \div 2=4$
28	29 10/29/2024 $(1+0+2+9) \times 2=0+24$	30 10/30/24 $10-[3 \times (0+2)]=4$	31 10/31/24 $10-[3+1+2]=4$	

# NOVEMBER 2024

				1 11/1/24 $1+1+(1 \times 2)=4$
4 11/4/24 $1+1+4=2+4$	5 11/5/24 $1+(1 \times 5)-2=4$	6 11/6/24 $(1+1+6) \div 2=4$	7 11/7/24 $1+(1 \times 7) \div 2=4$	8 11/8/24 $(1 \times 1 \times 8) \div 2=4$
11 11/11/24 $(1 \times 0)+(1+1+2)=4$	12 11/12/24 $(1+1) \times 12=24$	13 11/13/24 $11+13=24$	14 11/14/24 $[1+1+(1 \times 4)]-2=4$	15 11/15/24 $[1+0+(1 \times 7)] \div 2=4$
18 11/18/24 $(1+1+1) \times 8=24$	19 11/19/24 $(11 \times 1)-(9-2)=4$	20 11/20/24 $(1+1+2)+(0 \times 2)=4$	21 11/21/24 $1 \times 1 \times 2 \times 1 \times 2=4$	22 11/22/24 $1+1+22=24$
25 11/25/24 $[(11+2)-5] \div 2=4$	26 11/26/24 $(1+1+2) \times 6=24$	27 11/27/24 $(11-2)-(7-2)=4$	28 11/28/24 $1 \times (1+2) \times 8=24$	29 11/29/2024 $11+2+9+2+0=24$

# DECEMBER 2024

2  12/2/24 $12 \times 2 = 24$	3  12/3/24 $(1+2+3)-2=4$	4  12/4/24 $(12-4) \div 2 = 4$	5  12/5/24 $(1+2+5)-2=4$	6  12/6/24 $(12-6)-2=4$
7  12/7/2024 $[(1+2+7)-2] \div (0+2) = 4$	8  12/8/24 $(1+2) \times 8 = 24$	9  12/9/2024 $(12-9) + [(2+0) \div 2] = 4$	10  12/10/24 $12 - (10-2) = 4$	11  12/11/24 $[(1+2) \times (1+1)] - 2 = 4$
14  12/14/24 $12 - (1 \times 4 \times 2) = 4$	15  12/15/24 $12 - (1+5+2) = 4$	16  12/16/24 $12 - [1 \times (6+2)] = 4$	17  12/17/24 $(1+2) \times (1+7) = 24$	18  12/18/24 $(1+2) \times (1 \times 8) = 24$
21  12/21/24 $12 \times 2 \times 1 = 24$	22  12/22/24 $12 - (2 \times 2 \times 2) = 4$	23  12/23/24 $(12-2) - (3 \times 2) = 4$	24  12/24/24 $(12-2) - (4+2) = 4$	25  12/25/2024 $(1+2) + (5-2) + 0 = 2+4$
28  12/28/24 $12 - (2+8) + 2 = 4$	29  12/29/2024 $(12 \times 2) + (9 \times 2 \times 0) = 24$	30  12/30/24 $(1+2+3+0) - 2 = 4$	31  12/31/24 $12 \times (3-1) = 24$	