

NINJA SKILL FOCUS

Substitution

Key Skills

Complete the daily exercises to focus on improving this skill.

Day 1		
Q	Question	Answer
1	If $a = 4$ $b = 3$ and $c = 1$, what is the value of $3a - b^2$?	
2	If $a = 7$ $b = 5$ and $c = 3$, what is the value of $3b^2$?	
3	If $a = 9$ $b = 10$ and $c = 5$, what is the value of $2ab - c$?	
4	If $a = 3$ $b = 6$ and $c = 5$, what is the value of $(2b - a)^2$?	
5	If $a = 6$ $b = 3$ and $c = 10$, what is the value of bc / a ?	
6	If $a = 1$ $b = 2$ and $c = 4$, what is the value of $4b^3$?	
7	If $a = 7$ $b = 7$ and $c = 2$, what is the value of $ac / 2b$?	
8	If $a = 6$ $b = 6$ and $c = 10$, what is the value of $2abc - c^2$?	
9	If $a = 6$ $b = 8$ and $c = 4$, what is the value of $(2b/c)^2$?	
10	If $a = 3$ $b = 5$ and $c = 5$, what is the value of $2a + b/c$?	

Day 2		
Q	Question	Answer
1	If $a = 8$ $b = 5$ and $c = 2$, what is the value of $5a - bc$?	
2	If $a = 7$ $b = 9$ and $c = 3$, what is the value of $\sqrt{(a + b)}$?	
3	If $a = 1$ $b = 3$ and $c = 6$, what is the value of $4b^3$?	
4	If $a = 6$ $b = 4$ and $c = 5$, what is the value of $(2b - a)^2$?	
5	If $a = 6$ $b = 4$ and $c = 4$, what is the value of $ac / 2b$?	
6	If $a = 2$ $b = 4$ and $c = 8$, what is the value of bc / a ?	
7	If $a = 4$ $b = 3$ and $c = 9$, what is the value of $2ab - c$?	
8	If $a = 6$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	
9	If $a = 9$ $b = 9$ and $c = 3$, what is the value of $(2b/c)^2$?	
10	If $a = 9$ $b = 10$ and $c = 5$, what is the value of $c / (b - a)$?	

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Day 3		
Q	Question	Answer
1	If $a = 7$ $b = 3$ and $c = 3$, what is the value of $3b^2$?	
2	If $a = 4$ $b = 2$ and $c = 8$, what is the value of $2abc - c^2$?	
3	If $a = 4$ $b = 8$ and $c = 4$, what is the value of $2a + b/c$?	
4	If $a = 6$ $b = 10$ and $c = 8$, what is the value of $c / (b - a)$?	
5	If $a = 5$ $b = 3$ and $c = 5$, what is the value of $(2b - a)^2$?	
6	If $a = 1$ $b = 5$ and $c = 4$, what is the value of $4b^3$?	
7	If $a = 5$ $b = 6$ and $c = 10$, what is the value of $2ab - c$?	
8	If $a = 8$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	
9	If $a = 5$ $b = 5$ and $c = 10$, what is the value of $ac / 2b$?	
10	If $a = 5$ $b = 4$ and $c = 3$, what is the value of $5a - bc$?	

Day 4		
Q	Question	Answer
1	If $a = 5$ $b = 3$ and $c = 2$, what is the value of $2abc - c^2$?	
2	If $a = 4$ $b = 6$ and $c = 8$, what is the value of bc / a ?	
3	If $a = 7$ $b = 5$ and $c = 3$, what is the value of $3b^2$?	
4	If $a = 6$ $b = 10$ and $c = 1$, what is the value of $\sqrt{(a + b)}$?	
5	If $a = 8$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	
6	If $a = 5$ $b = 9$ and $c = 3$, what is the value of $2a + b/c$?	
7	If $a = 1$ $b = 2$ and $c = 4$, what is the value of $4b^3$?	
8	If $a = 7$ $b = 10$ and $c = 9$, what is the value of $c / (b - a)$?	
9	If $a = 5$ $b = 3$ and $c = 10$, what is the value of bc / a ?	
10	If $a = 4$ $b = 10$ and $c = 2$, what is the value of $2abc - c^2$?	

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Day 5		
Q	Question	Answer
1	If $a = 3$ $b = 6$ and $c = 1$, what is the value of $\sqrt{(a + b)}$?	
2	If $a = 6$ $b = 4$ and $c = 3$, what is the value of $5a - bc$?	
3	If $a = 6$ $b = 9$ and $c = 3$, what is the value of $(2b/c)^2$?	
4	If $a = 5$ $b = 5$ and $c = 4$, what is the value of $(2b - a)^2$?	
5	If $a = 6$ $b = 6$ and $c = 3$, what is the value of $(2b/c)^2$?	
6	If $a = 3$ $b = 7$ and $c = 4$, what is the value of $2ab - c$?	
7	If $a = 6$ $b = 4$ and $c = 2$, what is the value of $2a + b/c$?	
8	If $a = 4$ $b = 5$ and $c = 8$, what is the value of bc / a ?	
9	If $a = 7$ $b = 4$ and $c = 3$, what is the value of $3b^2$?	
10	If $a = 6$ $b = 2$ and $c = 6$, what is the value of $ac / 2b$?	

Day 6		
Q	Question	Answer
1	If $a = 4$ $b = 6$ and $c = 9$, what is the value of $2ab - c$?	
2	If $a = 2$ $b = 5$ and $c = 4$, what is the value of $(2b - a)^2$?	
3	If $a = 2$ $b = 2$ and $c = 8$, what is the value of $ac / 2b$?	
4	If $a = 8$ $b = 9$ and $c = 6$, what is the value of $(2b/c)^2$?	
5	If $a = 5$ $b = 7$ and $c = 4$, what is the value of $c / (b - a)$?	
6	If $a = 10$ $b = 3$ and $c = 4$, what is the value of $5a - bc$?	
7	If $a = 1$ $b = 4$ and $c = 4$, what is the value of $4b^3$?	
8	If $a = 4$ $b = 2$ and $c = 5$, what is the value of $2abc - c^2$?	
9	If $a = 2$ $b = 2$ and $c = 1$, what is the value of $\sqrt{(a + b)}$?	
10	If $a = 6$ $b = 3$ and $c = 5$, what is the value of $5a - bc$?	

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Day 7		
Q	Question	Answer
1	If $a = 7$ $b = 3$ and $c = 3$, what is the value of $3b^2$?	
2	If $a = 5$ $b = 8$ and $c = 4$ what is the value of $2a + b/c$?	
3	If $a = 8$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	
4	If $a = 5$ $b = 4$ and $c = 2$, what is the value of $\sqrt{(a + b)}$?	
5	If $a = 8$ $b = 10$ and $c = 6$, what is the value of $c / (b - a)$?	
6	If $a = 4$ $b = 3$ and $c = 1$, what is the value of $3a - b^2$?	
7	If $a = 7$ $b = 5$ and $c = 3$, what is the value of $3b^2$?	
8	If $a = 9$ $b = 10$ and $c = 5$, what is the value of $2ab - c$?	
9	If $a = 3$ $b = 6$ and $c = 5$, what is the value of $(2b - a)^2$?	
10	If $a = 6$ $b = 3$ and $c = 10$, what is the value of bc / a ?	

Day 8		
Q	Question	Answer
1	If $a = 1$ $b = 2$ and $c = 4$, what is the value of $4b^3$?	
2	If $a = 7$ $b = 7$ and $c = 2$, what is the value of $ac / 2b$?	
3	If $a = 6$ $b = 6$ and $c = 10$, what is the value of $2abc - c^2$?	
4	If $a = 6$ $b = 8$ and $c = 4$, what is the value of $(2b/c)^2$?	
5	If $a = 3$ $b = 5$ and $c = 5$, what is the value of $2a + b/c$?	
6	If $a = 8$ $b = 5$ and $c = 2$, what is the value of $5a - bc$?	
7	If $a = 7$ $b = 9$ and $c = 3$, what is the value of $\sqrt{(a + b)}$?	
8	If $a = 1$ $b = 3$ and $c = 6$, what is the value of $4b^3$?	
9	If $a = 6$ $b = 4$ and $c = 5$, what is the value of $(2b - a)^2$?	
10	If $a = 6$ $b = 4$ and $c = 4$, what is the value of $ac / 2b$?	

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Day 9		
Q	Question	Answer
1	If $a = 2$ $b = 4$ and $c = 8$, what is the value of bc / a ?	
2	If $a = 4$ $b = 3$ and $c = 9$, what is the value of $2ab - c$?	
3	If $a = 6$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	
4	If $a = 9$ $b = 9$ and $c = 3$, what is the value of $(2b/c)^2$?	
5	If $a = 9$ $b = 10$ and $c = 5$, what is the value of $c / (b - a)$?	
6	If $a = 7$ $b = 3$ and $c = 3$, what is the value of $3b^2$?	
7	If $a = 4$ $b = 2$ and $c = 8$, what is the value of $2abc - c^2$?	
8	If $a = 4$ $b = 8$ and $c = 4$, what is the value of $2a + b/c$?	
9	If $a = 6$ $b = 10$ and $c = 8$, what is the value of $c / (b - a)$?	
10	If $a = 5$ $b = 3$ and $c = 5$, what is the value of $(2b - a)^2$?	

Day 10		
Q	Question	Answer
1	If $a = 1$ $b = 5$ and $c = 4$, what is the value of $4b^3$?	
2	If $a = 5$ $b = 6$ and $c = 10$, what is the value of $2ab - c$?	
3	If $a = 8$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	
4	If $a = 5$ $b = 5$ and $c = 10$, what is the value of $ac / 2b$?	
5	If $a = 5$ $b = 4$ and $c = 3$, what is the value of $5a - bc$?	
6	If $a = 5$ $b = 3$ and $c = 2$, what is the value of $2abc - c^2$?	
7	If $a = 4$ $b = 6$ and $c = 8$, what is the value of bc / a ?	
8	If $a = 7$ $b = 5$ and $c = 3$, what is the value of $3b^2$?	
9	If $a = 6$ $b = 10$ and $c = 1$, what is the value of $\sqrt{(a + b)}$?	
10	If $a = 8$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	

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Day 1		
Q	Question	Answer
1	If $a = 4$ $b = 3$ and $c = 1$, what is the value of $3a - b^2$?	3
2	If $a = 7$ $b = 5$ and $c = 3$, what is the value of $3b^2$?	75
3	If $a = 9$ $b = 10$ and $c = 5$, what is the value of $2ab - c$?	175
4	If $a = 3$ $b = 6$ and $c = 5$, what is the value of $(2b - a)^2$?	81
5	If $a = 6$ $b = 3$ and $c = 10$, what is the value of bc / a ?	5
6	If $a = 1$ $b = 2$ and $c = 4$, what is the value of $4b^3$?	32
7	If $a = 7$ $b = 7$ and $c = 2$, what is the value of $ac / 2b$?	1
8	If $a = 6$ $b = 6$ and $c = 10$, what is the value of $2abc - c^2$?	620
9	If $a = 6$ $b = 8$ and $c = 4$, what is the value of $(2b/c)^2$?	16
10	If $a = 3$ $b = 5$ and $c = 5$, what is the value of $2a + b/c$?	7

Day 2		
Q	Question	Answer
1	If $a = 8$ $b = 5$ and $c = 2$, what is the value of $5a - bc$?	30
2	If $a = 7$ $b = 9$ and $c = 3$, what is the value of $\sqrt{(a + b)}$?	4
3	If $a = 1$ $b = 3$ and $c = 6$, what is the value of $4b^3$?	108
4	If $a = 6$ $b = 4$ and $c = 5$, what is the value of $(2b - a)^2$?	4
5	If $a = 6$ $b = 4$ and $c = 4$, what is the value of $ac / 2b$?	3
6	If $a = 2$ $b = 4$ and $c = 8$, what is the value of bc / a ?	16
7	If $a = 4$ $b = 3$ and $c = 9$, what is the value of $2ab - c$?	15
8	If $a = 6$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	2
9	If $a = 9$ $b = 9$ and $c = 3$, what is the value of $(2b/c)^2$?	36
10	If $a = 9$ $b = 10$ and $c = 5$, what is the value of $c / (b - a)$?	5

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Day 3		
Q	Question	Answer
1	If $a = 7$ $b = 3$ and $c = 3$, what is the value of $3b^2$?	27
2	If $a = 4$ $b = 2$ and $c = 8$, what is the value of $2abc - c^2$?	64
3	If $a = 4$ $b = 8$ and $c = 4$, what is the value of $2a + b/c$?	10
4	If $a = 6$ $b = 10$ and $c = 8$, what is the value of $c / (b - a)$?	2
5	If $a = 5$ $b = 3$ and $c = 5$, what is the value of $(2b - a)^2$?	1
6	If $a = 1$ $b = 5$ and $c = 4$, what is the value of $4b^3$?	500
7	If $a = 5$ $b = 6$ and $c = 10$, what is the value of $2ab - c$?	50
8	If $a = 8$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	8
9	If $a = 5$ $b = 5$ and $c = 10$, what is the value of $ac / 2b$?	5
10	If $a = 5$ $b = 4$ and $c = 3$, what is the value of $5a - bc$?	13

Day 4		
Q	Question	Answer
1	If $a = 5$ $b = 3$ and $c = 2$, what is the value of $2abc - c^2$?	56
2	If $a = 4$ $b = 6$ and $c = 8$, what is the value of bc / a ?	12
3	If $a = 7$ $b = 5$ and $c = 3$, what is the value of $3b^2$?	75
4	If $a = 6$ $b = 10$ and $c = 1$, what is the value of $\sqrt{(a + b)}$?	4
5	If $a = 8$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	8
6	If $a = 5$ $b = 9$ and $c = 3$, what is the value of $2a + b/c$?	13
7	If $a = 1$ $b = 2$ and $c = 4$, what is the value of $4b^3$?	32
8	If $a = 7$ $b = 10$ and $c = 9$, what is the value of $c / (b - a)$?	3
9	If $a = 5$ $b = 3$ and $c = 10$, what is the value of bc / a ?	6
10	If $a = 4$ $b = 10$ and $c = 2$, what is the value of $2abc - c^2$?	156

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Day 5		
Q	Question	Answer
1	If $a = 3$ $b = 6$ and $c = 1$, what is the value of $\sqrt{(a + b)}$?	3
2	If $a = 6$ $b = 4$ and $c = 3$, what is the value of $5a - bc$?	18
3	If $a = 6$ $b = 9$ and $c = 3$, what is the value of $(2b/c)^2$?	36
4	If $a = 5$ $b = 5$ and $c = 4$, what is the value of $(2b - a)^2$?	25
5	If $a = 6$ $b = 6$ and $c = 3$, what is the value of $(2b/c)^2$?	16
6	If $a = 3$ $b = 7$ and $c = 4$, what is the value of $2ab - c$?	38
7	If $a = 6$ $b = 4$ and $c = 2$, what is the value of $2a + b/c$?	14
8	If $a = 4$ $b = 5$ and $c = 8$, what is the value of bc / a ?	10
9	If $a = 7$ $b = 4$ and $c = 3$, what is the value of $3b^2$?	48
10	If $a = 6$ $b = 2$ and $c = 6$, what is the value of $ac / 2b$?	9

Day 6		
Q	Question	Answer
1	If $a = 4$ $b = 6$ and $c = 9$, what is the value of $2ab - c$?	39
2	If $a = 2$ $b = 5$ and $c = 4$, what is the value of $(2b - a)^2$?	64
3	If $a = 2$ $b = 2$ and $c = 8$, what is the value of $ac / 2b$?	4
4	If $a = 8$ $b = 9$ and $c = 6$, what is the value of $(2b/c)^2$?	9
5	If $a = 5$ $b = 7$ and $c = 4$, what is the value of $c / (b - a)$?	2
6	If $a = 10$ $b = 3$ and $c = 4$, what is the value of $5a - bc$?	38
7	If $a = 1$ $b = 4$ and $c = 4$, what is the value of $4b^3$?	256
8	If $a = 4$ $b = 2$ and $c = 5$, what is the value of $2abc - c^2$?	55
9	If $a = 2$ $b = 2$ and $c = 1$, what is the value of $\sqrt{(a + b)}$?	2
10	If $a = 6$ $b = 3$ and $c = 5$, what is the value of $5a - bc$?	15

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Day 7		
Q	Question	Answer
1	If $a = 7$ $b = 3$ and $c = 3$, what is the value of $3b^2$?	27
2	If $a = 5$ $b = 8$ and $c = 4$ what is the value of $2a + b/c$?	12
3	If $a = 8$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	8
4	If $a = 5$ $b = 4$ and $c = 2$, what is the value of $\sqrt{(a + b)}$?	3
5	If $a = 8$ $b = 10$ and $c = 6$, what is the value of $c / (b - a)$?	3
6	If $a = 4$ $b = 3$ and $c = 1$, what is the value of $3a - b^2$?	3
7	If $a = 7$ $b = 5$ and $c = 3$, what is the value of $3b^2$?	75
8	If $a = 9$ $b = 10$ and $c = 5$, what is the value of $2ab - c$?	175
9	If $a = 3$ $b = 6$ and $c = 5$, what is the value of $(2b - a)^2$?	81
10	If $a = 6$ $b = 3$ and $c = 10$, what is the value of bc / a ?	5

Day 8		
Q	Question	Answer
1	If $a = 1$ $b = 2$ and $c = 4$, what is the value of $4b^3$?	32
2	If $a = 7$ $b = 7$ and $c = 2$, what is the value of $ac / 2b$?	1
3	If $a = 6$ $b = 6$ and $c = 10$, what is the value of $2abc - c^2$?	620
4	If $a = 6$ $b = 8$ and $c = 4$, what is the value of $(2b/c)^2$?	16
5	If $a = 3$ $b = 5$ and $c = 5$, what is the value of $2a + b/c$?	7
6	If $a = 8$ $b = 5$ and $c = 2$, what is the value of $5a - bc$?	30
7	If $a = 7$ $b = 9$ and $c = 3$, what is the value of $\sqrt{(a + b)}$?	4
8	If $a = 1$ $b = 3$ and $c = 6$, what is the value of $4b^3$?	108
9	If $a = 6$ $b = 4$ and $c = 5$, what is the value of $(2b - a)^2$?	4
10	If $a = 6$ $b = 4$ and $c = 4$, what is the value of $ac / 2b$?	3

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Day 9		
Q	Question	Answer
1	If $a = 2$ $b = 4$ and $c = 8$, what is the value of bc / a ?	16
2	If $a = 4$ $b = 3$ and $c = 9$, what is the value of $2ab - c$?	15
3	If $a = 6$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	2
4	If $a = 9$ $b = 9$ and $c = 3$, what is the value of $(2b/c)^2$?	36
5	If $a = 9$ $b = 10$ and $c = 5$, what is the value of $c / (b - a)$?	5
6	If $a = 7$ $b = 3$ and $c = 3$, what is the value of $3b^2$?	27
7	If $a = 4$ $b = 2$ and $c = 8$, what is the value of $2abc - c^2$?	64
8	If $a = 4$ $b = 8$ and $c = 4$, what is the value of $2a + b/c$?	10
9	If $a = 6$ $b = 10$ and $c = 8$, what is the value of $c / (b - a)$?	2
10	If $a = 5$ $b = 3$ and $c = 5$, what is the value of $(2b - a)^2$?	1

Day 10		
Q	Question	Answer
1	If $a = 1$ $b = 5$ and $c = 4$, what is the value of $4b^3$?	500
2	If $a = 5$ $b = 6$ and $c = 10$, what is the value of $2ab - c$?	50
3	If $a = 8$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	8
4	If $a = 5$ $b = 5$ and $c = 10$, what is the value of $ac / 2b$?	5
5	If $a = 5$ $b = 4$ and $c = 3$, what is the value of $5a - bc$?	13
6	If $a = 5$ $b = 3$ and $c = 2$, what is the value of $2abc - c^2$?	56
7	If $a = 4$ $b = 6$ and $c = 8$, what is the value of bc / a ?	12
8	If $a = 7$ $b = 5$ and $c = 3$, what is the value of $3b^2$?	75
9	If $a = 6$ $b = 10$ and $c = 1$, what is the value of $\sqrt{(a + b)}$?	4
10	If $a = 8$ $b = 4$ and $c = 1$, what is the value of $3a - b^2$?	8