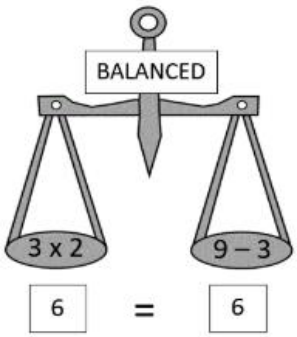
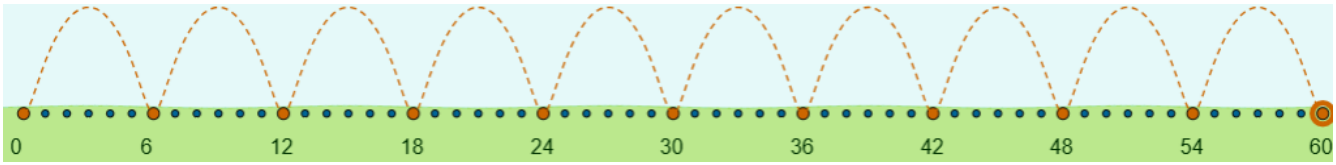
G9 Algebra Numeracy 1

A ***balanced*** equation is an equation where both sides are equal to the same amount.



1)	12	+	___	=	16
2)	10	–	___	=	2
3)	___	+	4	=	11
4)	___	x	2	=	10
5)	5	x	3	=	___
6)	12	–	___	=	3
7)	10	+	___	=	20
8)	4	x	3	=	___
9)	5	+	7	=	___
10)	___	x	6	=	6
11)	25	–	4	=	___
12)	6	+	___	=	20
13)	___	x	2	=	14
14)	5	x	___	=	30
15)	___	–	4	=	11
16)	4	x	5	=	___
17)	___	–	7	=	5
18)	15	–	___	=	2

Multiplication/Division facts:



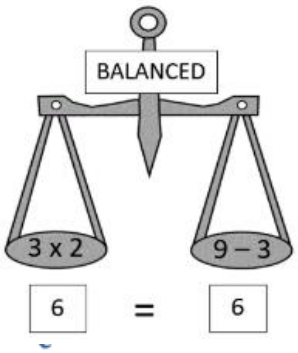
1.	54	÷	6	=		11.	36	÷	6	=
2.	12	÷	6	=		12.	60	÷	6	=
3.	18	÷	6	=		13.	54	÷	6	=
4.	48	÷	6	=		14.	6	÷	6	=
5.	18	÷	6	=		15.	42	÷	6	=
6.	60	÷	6	=		16.	42	÷	6	=
7.	48	÷	6	=		17.	30	÷	6	=
8.	36	÷	6	=		18.	48	÷	6	=
9.	30	÷	6	=		19.	72	÷	6	=
10.	42	÷	6	=		20.	54	÷	6	=

Complete the heading row and column of this multiplication table using each of the numbers 2, 3, 4, 5, 6, 7, 8, 9, 10. 11, 12, 15,20 once only.

	80											
		40										
			16									
				40								
	16	32	8	80	40	20	24	60	36	44	48	12	28
						30							
							18						
								135					
									135				
										110			
											84		
												33	
													84

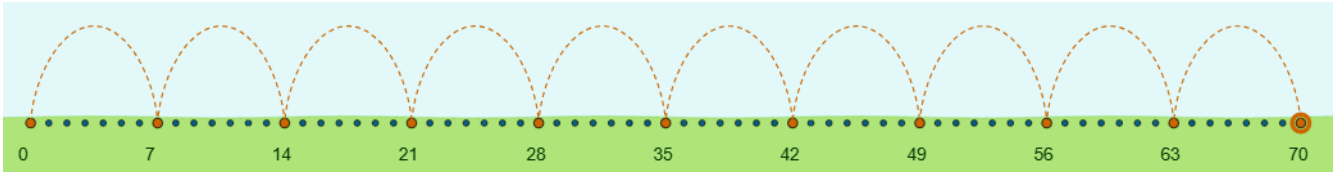
G9 Unit 4 Numeracy 2

A ***balanced*** equation is an equation where both sides are equal to the same amount.



Fill in the missing numbers to balance the equations.

1)	3	+	4	=	6	+	___	
2)	2	+	10	=	5	+	___	
3)	7	+	___	=	3	+	6	
4)	___	+	5	=	10	+	4	
5)	8	+	3	=	___	+	6	
6)	9	–	2	=	4	+	___	
7)	15	–	3	=	8	+	___	
8)	14	–	6	=	___	+	3	
9)	6	+	___	=	17	–	5	
10)	___	+	3	=	12	–	5	
11)	___	+	4	=	13	–	7	
12)	4	+	2	=	10	–	___	
13)	3	+	5	=	12	–	___	
14)	6	+	7	=	___	–	1	
15)	10	–	___	=	3	+	4	
16)	12	–	___	=	2	+	7	
17)	___	–	3	=	10	–	7	
18)	___	–	2	=	13	–	5	



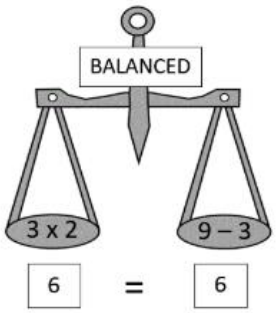
1.	56	÷	7	=		11.	-28	÷	7	=
2.	21	÷	7	=		12.	77	÷	-7	=
3.	7	÷	7	=		13.	-84	÷	-7	=
4.	42	÷	7	=		14.	28	÷	7	=
5.	49	÷	7	=		15.	-14	÷	7	=
6.	56	÷	7	=		16.	56	÷	7	=
7.	63	÷	7	=		17.	-49	÷	7	=
8.	14	÷	7	=		18.	-35	÷	-7	=
9.	35	÷	7	=		19.	-70	÷	7	=
10.	49	÷	7	=		20.	-42	÷	-7	=

Complete the heading row and column of this multiplication table using each of the numbers 2, 3, 4, 5, 6, 7, 8, 9, 10. 11, 12, 15,20 once only.

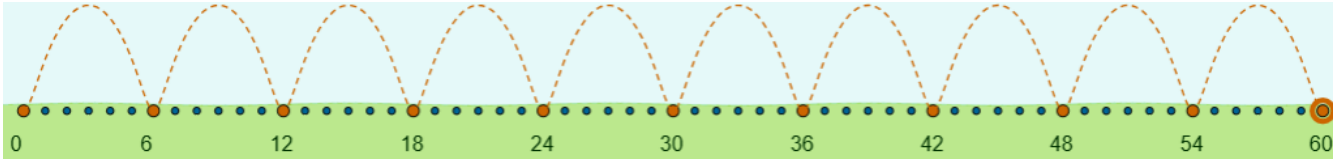
	45											
		36										
			18									
				160								
	105	42	63	140	14	56	28	21	49	77	84	70	35
						160							
							20						
								33					
									105				
										132			
											48		
												100	
													45

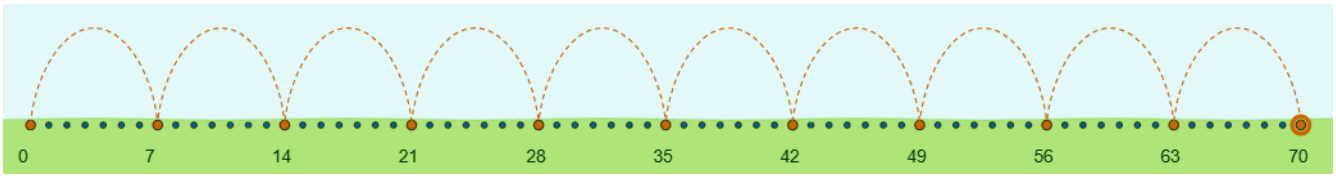
G9 Unit 4 Numeracy 3 (x)

A ***balanced*** equation is an equation where both sides are equal to the same amount.



1)	12	+	___	=	3	x	5	
2)	10	–	___	=	2	+	4	
3)	___	+	4	=	11	–	5	
4)	___	x	2	=	10	+	6	
5)	5	x	3	=	9	+	___	
6)	12	–	___	=	3	+	4	
7)	10	+	7	=	20	–	___	
8)	4	x	3	=	___	+	6	
9)	5	+	7	=	___	–	2	
10)	3	x	6	=	9	x	___	
11)	25	–	4	=	___	x	3	
12)	6	+	8	=	20	–	___	
13)	___	x	3	=	7	+	11	
14)	5	x	___	=	50	–	5	
15)	___	–	4	=	3	x	4	
16)	4	x	6	=	20	+	___	
17)	7	+	___	=	6	x	3	
18)	___	–	3	=	10	x	2	





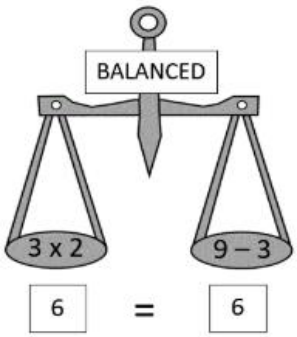
1.	-56	÷	-7	=		9.	-70	÷	7	=
2.	30	÷	6	=		10.	-28	÷	-7	=
3.	-36	÷	6	=		11.	66	÷	-6	=
4.	-12	÷	-6	=		12.	60	÷	-6	=
5.	-49	÷	-7	=		13.	-21	÷	-7	=
6.	-63	÷	7	=		14.	-49	÷	7	=
7.	-54	÷	6	=		15.	-42	÷	6	=
8.	63	÷	-7	=		16.	24	÷	-6	=

Complete the heading row and column of this multiplication table using each of the numbers 2, 3, 4, 5, 6, 7, 8, 9, 10. 11, 12, 15,20 once only.

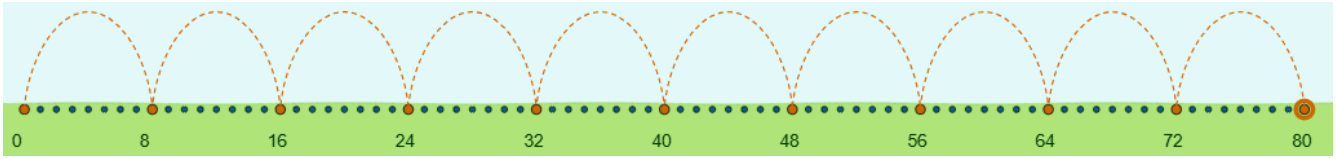
	28											140
		32									40	
			30							150		
				45					108			
					24			72				
						42		54				
							33					
						14		18				
					22				66			
				100						240		
			24								120	
		40									50	
	60											300

G9 Unit 4 Numeracy 4 (Monday)

A ***balanced*** equation is an equation where both sides are equal to the same amount.



1)	12	÷	3	=	10	–	___	
2)	7	+	___	=	24	÷	2	
3)	8	x	5	=	17	+	___	
4)	20	÷	4	=	19	–	___	
5)	___	–	6	=	18	÷	9	
6)	33	+	___	=	6	x	7	
7)	36	÷	4	=	13	–	___	
8)	30	–	___	=	30	÷	5	
9)	8	x	___	=	24	x	2	
10)	19	–	16	=	21	÷	___	
11)	___	–	5	=	36	÷	9	
12)	24	+	27	=	100	–	___	
13)	28	÷	2	=	___	–	13	
14)	___	x	7	=	70	–	21	
15)	14	–	___	=	40	÷	5	



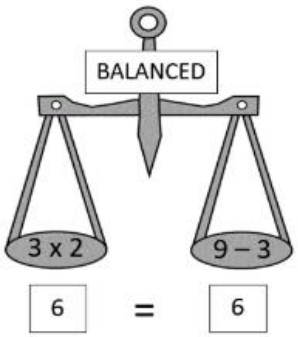
1.	72	÷	-8	=		9.	16	÷	-8	=
2.	32	÷	-8	=		10.	24	÷	8	=
3.	80	÷	-8	=		11.	-56	÷	-8	=
4.	56	÷	8	=		12.	-8	÷	8	=
5.	-88	÷	8	=		13.	-40	÷	8	=
6.	24	÷	8	=		14.	64	÷	-8	=
7.	64	÷	-8	=		15.	-56	÷	8	=
8.	64	÷	-8	=		16.	48	÷	-8	=

Complete the heading row and column of this multiplication table using each of the numbers 2, 3, 4, 5, 6, 7, 8, 9, 10. 11, 12, 15,20 once only.

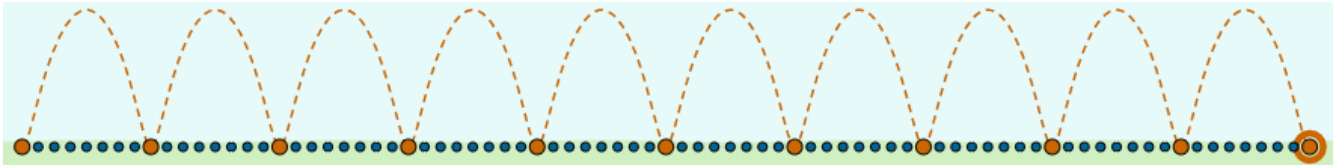
	35											20
		180									300	
			12							4		
				30					90			
					180			200				
						56		21				
							132					
						72		27				
					99				110			
				40						120		
			24								8	
		36									60	
	70											40

G9 Unit 4 Numeracy QUIZ (Wednesday)

A ***balanced*** equation is an equation where both sides are equal to the same amount.



1)	6	x	3	=	40	–	___	
2)	40	÷	5	=	___	–	6	
3)	19	–	___	=	3	x	5	
4)	6	x	9	=	100	–	___	
5)	27	+	29	=	___	x	8	
6)	60	÷	12	=	28	–	___	
7)	3	x	7	=	___	÷	2	
8)	22	+	___	=	7	x	9	
9)	27	÷	___	=	36	÷	12	
10)	___	–	7	=	6	x	9	
11)	42	÷	7	=	___	–	17	
12)	29	+	___	=	8	x	6	
13)	32	÷	2	=	50	–	___	
14)	6	x	11	=	___	–	10	
15)	90	–	72	=	6	x	___	



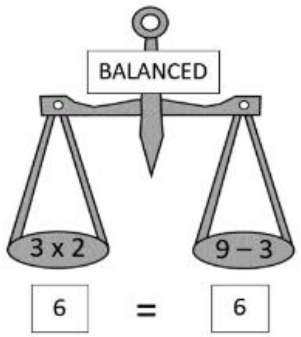
1.	32	÷	-8	=		9.	24	÷	8	=	
2.	-24	÷	6	=		10.	-48	÷	8	=	
3.	-64	÷	8	=		11.	12	÷	-6	=	
4.	-36	÷	-6	=		12.	80	÷	-8	=	
5.	-64	÷	-8	=		13.	-6	÷	-6	=	
6.	-60	÷	6	=		14.	-48	÷	8	=	
7.	-72	÷	8	=		15.	-30	÷	6	=	
8.	48	÷	-6	=		16.	56	÷	8	=	

Complete the heading row and column of this multiplication table using each of the numbers 2, 3, 4, 5, 6, 7, 8, 9, 10. 11, 12, 15,20 once only.

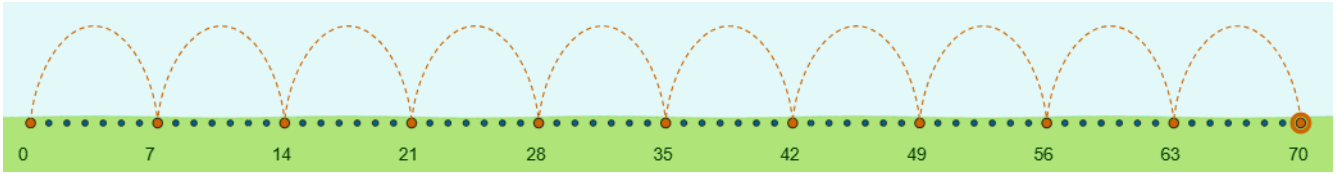
	24											72
		200									20	
			32							28		
				24					48			
					30			18				
						77		35				
							90					
						165		75				
					180				108			
				9						18		
			88								77	
		100									10	
	80											240

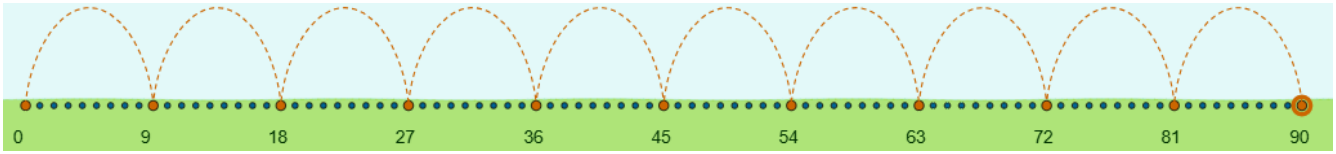
G9 Unit 4 Numeracy 6 (Tuesday)

A ***balanced*** equation is an equation where both sides are equal to the same amount.



1)	½	of	___	=	2	x	6
2)	18	÷	3	=	¼	of	___
3)	21	–	___	=	$\frac{1}{3}$	of	27
4)	$\frac{1}{5}$	of	35	=	___	–	6
5)	5	x	6	=	½	of	___
6)	$\frac{1}{6}$	of	36	=	___	÷	5
7)	3	+	___	=	¼	of	48
8)	$\frac{1}{7}$	of	___	=	21	–	17
9)	___	÷	7	=	32	–	26





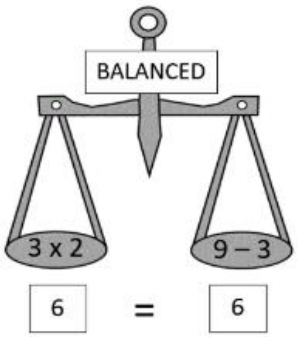
1.	84	÷	7	=		9.	72	÷	-9	=	
2.	81	÷	9	=		10.	45	÷	-9	=	
3.	-81	÷	-9	=		11.	-14	÷	7	=	
4.	-49	÷	-7	=		12.	56	÷	-7	=	
5.	-72	÷	9	=		13.	-36	÷	9	=	
6.	21	÷	-7	=		14.	54	÷	9	=	
7.	-70	÷	-7	=		15.	63	÷	9	=	
8.	-63	÷	7	=		16.	-27	÷	-9	=	

Complete the heading row and column of this multiplication table using each of the numbers 2, 3, 4, 5, 6, 7, 8, 9, 10. 11, 12, 15,20 once only.

	100											180
		45									60	
			14							6		
				30					55			
					72			12				
						80		64				
							48					
						70		56				
					180				30			
				66						121		
			28								12	
		135										180
	50											90

G9 Unit 4 Numeracy 7

A ***balanced*** equation is an equation where both sides are equal to the same amount.



10)	$\frac{1}{3}$	of	33	=	80	–	___	
11)	$\frac{1}{8}$	of	___	=	24	÷	4	
12)	42	–	37	=	$\frac{1}{3}$	of	___	
13)	3 ½	+	2 ½	=	$\frac{1}{6}$	of	___	
14)	¼	of	80	=	___	x	5	
15)	$\frac{1}{6}$	of	54	=	36	÷	___	
16)	5 ½	+	3 ½	=	$\frac{1}{5}$	of	___	
17)	$\frac{1}{9}$	of	72	=	___	÷	5	
18)	$\frac{1}{3}$	of	___	=	27	+	5	

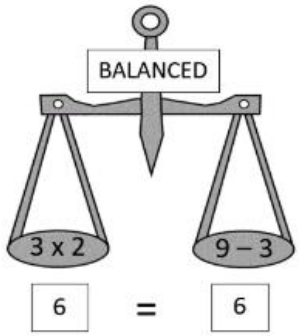
1.	-40	÷	8	=		11.	-64	÷	8	=	
2.	-56	÷	8	=		12.	-30	÷	-6	=	
3.	77	÷	-7	=		13.	-63	÷	7	=	
4.	-49	÷	7	=		14.	70	÷	7	=	
5.	6	÷	-6	=		15.	72	÷	-8	=	
6.	-24	÷	-8	=		16.	-24	÷	-6	=	
7.	48	÷	-8	=		17.	64	÷	8	=	
8.	-56	÷	7	=		18.	32	÷	8	=	
9.	-12	÷	-6	=		19.	18	÷	6	=	
10.	-48	÷	-8	=		20.	72	÷	8	=	

Complete the heading row and column of this multiplication table using each of the numbers 2, 3, 4, 5, 6, 7, 8, 9, 10. 11, 12, 15,20 once only.

	120											48
		27									36	
			84							77		
				10					4			
					50			45				
						84		180				
							90					
						70		150				
					200				180			
				20						8		
			96								88	
		9									12	
	220											88

G9 Unit 4 Numeracy 8 (Thursday)

A ***balanced*** equation is an equation where both sides are equal to the same amount.



1)	0.7	+	___	=	0.3	+	1.2	
2)	1.2	–	0.6	=	0.3	+	___	
3)	0.4	–	0.1	=	1	–	___	
4)	___	+	0.3	=	1.2	+	0.4	
5)	1.8	–	0.4	=	0.2	+	___	
6)	___	+	0.2	=	1.4	–	0.6	
7)	2.4	–	___	=	1.5	+	0.5	
8)	1.4	+	0.9	=	3	–	___	
9)	3	–	1.3	=	___	+	0.8	
10)	1.2	+	2.6	=	4	–	___	

1.	64	÷	-8	=		11.	-80	÷	8	=	
2.	72	÷	-8	=		12.	56	÷	-8	=	
3.	-36	÷	6	=		13.	-49	÷	7	=	
4.	-56	÷	8	=		14.	72	÷	8	=	
5.	-70	÷	7	=		15.	-64	÷	-8	=	
6.	-40	÷	-8	=		16.	-63	÷	-7	=	
7.	-18	÷	6	=		17.	30	÷	6	=	
8.	-48	÷	-8	=		18.	24	÷	6	=	
9.	-84	÷	7	=		19.	77	÷	-7	=	
10.	32	÷	8	=		20.	24	÷	-8	=	

Complete the heading row and column of this multiplication table using each of the numbers 2, 3, 4, 5, 6, 7, 8, 9, 10. 11, 12, 15,20 once only.

	14											21
		90									24	
			99							81		
				96					160			
					84			120				
						30		25				
							88					
						60		50				
					21				30			
				48						80		
			220								180	
		225									60	
	4											6

ANSWERS:

NUMERACY 4

	7	***12***	***6***	***5***	***9***	***8***	***11***	***3***	***10***	***15***	***2***	***20***	***4***
5	35												20
15		180										300	
2			12								4		
6				30						90			
20					180				200				
7						56		21					
12							132						
9						72		27					
11					99				110				
8				40						120			
4			24								8		
3		36										60	
10	70												40

NUMERACY 5

	4	***20***	***8***	***3***	***15***	***11***	***10***	***5***	***9***	***6***	***7***	***2***	***12***
6	24												72
10		200										20	
4			32								28		
8				24						48			
2					30				18				
7						77		35					
9							90						
15						165		75					
12					180				108				
3				9						18			
11			88								77		
5		100										10	
20	80												240

NUMERACY 6

	5	***15***	***7***	***6***	***12***	***10***	***4***	***8***	***2***	***11***	***3***	***20***	***9***
20	100												180
3		45										60	
2			14								6		
5				30						55			
6					72				12				
8						80		64					
12							48						
7						70		56					
15					180				30				
11				66						121			
4			28								12		
9		135										180	
10	50												90

NUMERACY 7

	20	***3***	***12***	***5***	***10***	***7***	***6***	***15***	***9***	***2***	***11***	***4***	***8***
6	120												48
9		27										36	
7			84								77		
2				10						4			
5					50				45				
12						84		180					
15							90						
10						70		150					
20					200				180				
4				20						8			
8			96								88		
3		9										12	
11	220												88

NUMERACY 8

	2	***15***	***11***	***12***	***7***	***6***	***8***	***5***	***10***	***20***	***9***	***4***	***3***
7	14												21
6		90										24	
9			99								81		
8				96						160			
12					84				120				
5						30		25					
11							88						
10						60		50					
3					21				30				
4				48						80			
20			220								180		
15		225										60	
2	4												6