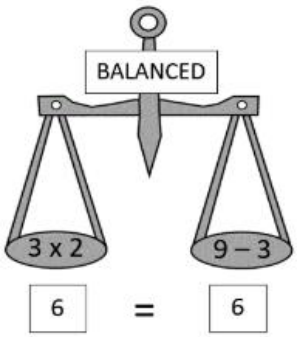
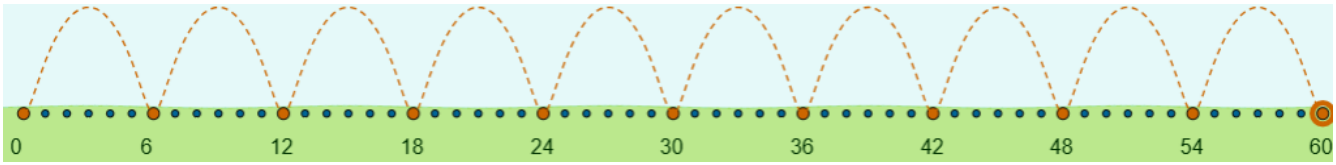
G9 Unit 4 Algebra Numeracy 1

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:



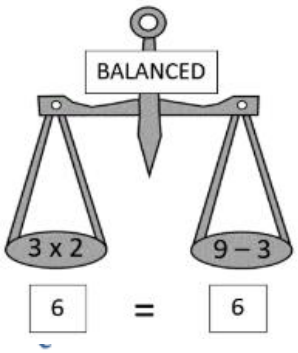
1.	54	÷	6	=		11.	36	÷	6	=
2.	12	÷	6	=		12.	60	÷	6	=
3.	18	÷	6	=		13.	54	÷	6	=
4.	48	÷	6	=		14.	6	÷	6	=
5.	18	÷	6	=		15.	42	÷	6	=
6.	60	÷	6	=		16.	42	÷	6	=
7.	48	÷	6	=		17.	30	÷	6	=
8.	36	÷	6	=		18.	48	÷	6	=
9.	30	÷	6	=		19.	72	÷	6	=
10.	42	÷	6	=		20.	54	÷	6	=

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

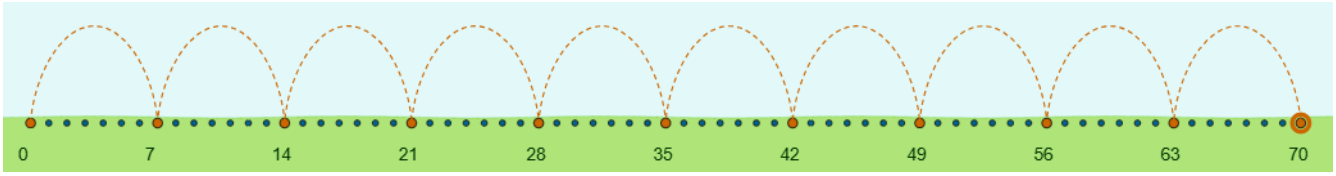
G9 Unit 4 Numeracy 2

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	



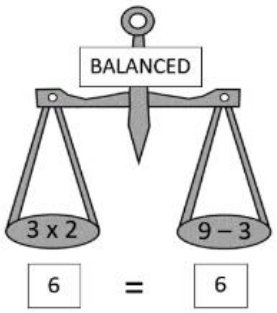
1.	56	÷	7	=		11.	-28	÷	7	=
2.	21	÷	7	=		12.	77	÷	-7	=
3.	7	÷	7	=		13.	-84	÷	-7	=
4.	42	÷	7	=		14.	28	÷	7	=
5.	49	÷	7	=		15.	-14	÷	7	=
6.	56	÷	7	=		16.	56	÷	7	=
7.	63	÷	7	=		17.	-49	÷	7	=
8.	14	÷	7	=		18.	-35	÷	-7	=
9.	35	÷	7	=		19.	-70	÷	7	=
10.	49	÷	7	=		20.	-42	÷	-7	=

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.

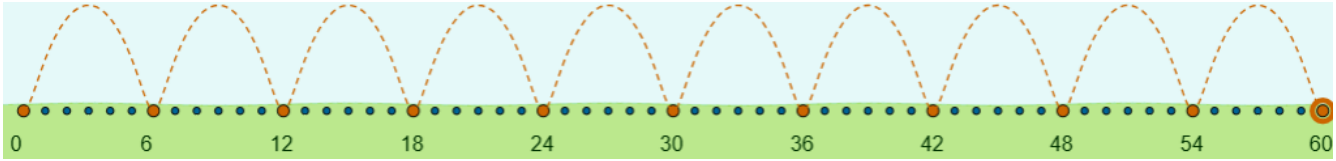
	45											
		36										
			18									
				160								
	105	42	63	140	14	56	28	21	49	77	84	70	35
						160							
							20						
								33					
									105				
										132			
											48		
												100	
													45

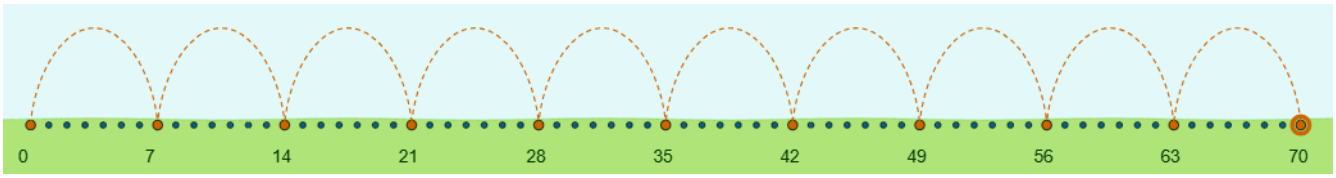
G9 Unit 4 Numeracy 3

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	=
2.	30	÷	6	=
3.	-36	÷	6	=
4.	-12	÷	-6	=
5.	-49	÷	-7	=
6.	-63	÷	7	=
7.	-54	÷	6	=
8.	63	÷	-7	=

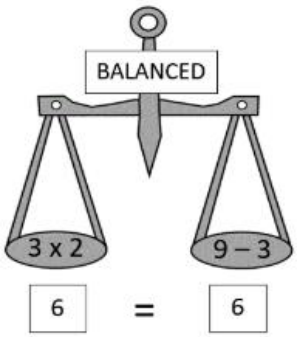
9.	-70	÷	7	=
10.	-28	÷	-7	=
11.	66	÷	-6	=
12.	60	÷	-6	=
13.	-21	÷	-7	=
14.	-49	÷	7	=
15.	-42	÷	6	=
16.	24	÷	-6	=

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.

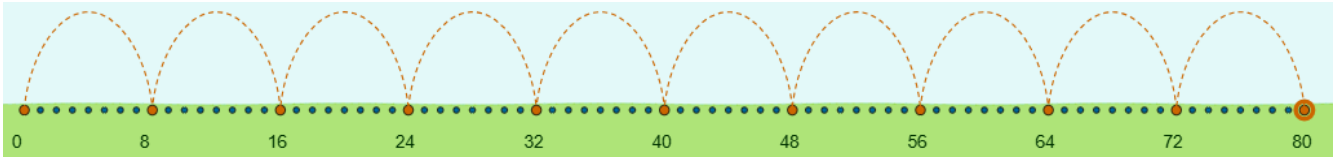
	24											
		99										
			56									
				120								
	30	110	80	200	20	40	50	150	70	90	60	120	100
						80						
							25					
								165				
									28			
										18		
											90	
												36
												120

G9 Unit 4 Numeracy 4

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



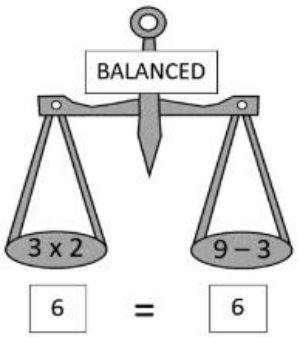
1.	72	÷	-8	=		9.	16	÷	-8	=
2.	32	÷	-8	=		10.	24	÷	8	=
3.	80	÷	-8	=		11.	-56	÷	-8	=
4.	56	÷	8	=		12.	-8	÷	8	=
5.	-88	÷	8	=		13.	-40	÷	8	=
6.	24	÷	8	=		14.	64	÷	-8	=
7.	64	÷	-8	=		15.	-56	÷	8	=
8.	64	÷	-8	=		16.	48	÷	-8	=

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.

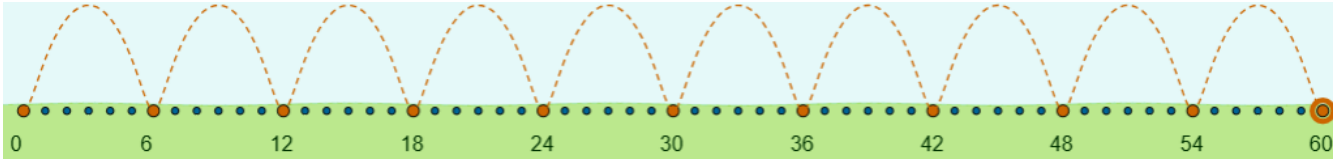
	45											
		120										
			15									
				63								
	90	36	18	54	30	42	120	12	48	24	72	60	66
						14							
							220						
								18					
									64				
										60			
											144		
												40	
													110

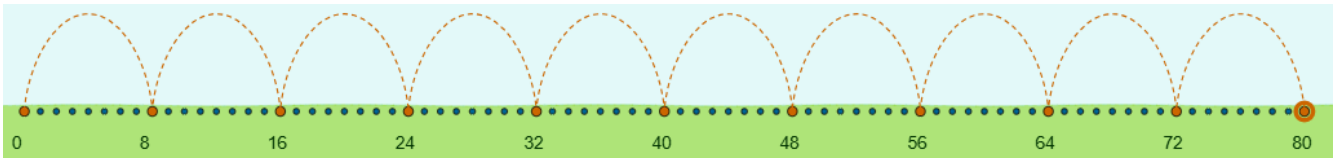
G9 Unit 4 Numeracy 5 QUIZ

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	=
2.	-24	÷	6	=
3.	-64	÷	8	=
4.	-36	÷	-6	=
5.	-64	÷	-8	=
6.	-60	÷	6	=
7.	-72	÷	8	=
8.	48	÷	-6	=

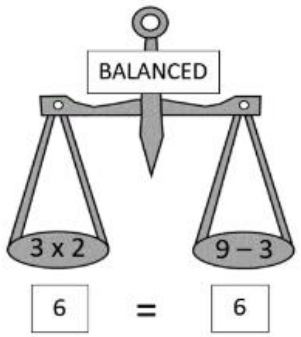
9.	24	÷	8	=
10.	-48	÷	8	=
11.	12	÷	-6	=
12.	80	÷	-8	=
13.	-6	÷	-6	=
14.	-48	÷	8	=
15.	-30	÷	6	=
16.	56	÷	8	=

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.

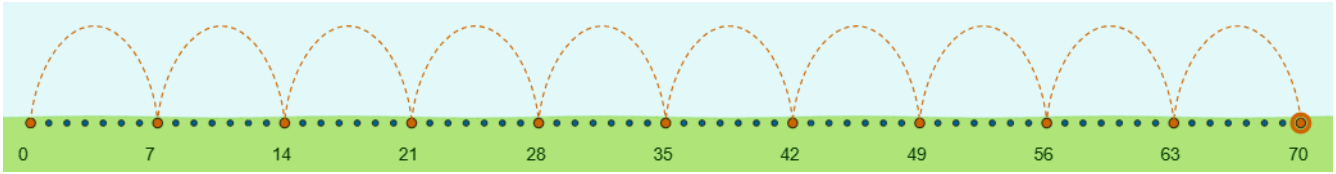
	165											
		15										
			30									
				36								
	225	75	90	60	165	30	105	180	150	300	120	45	135
						40							
							70						
								72					
									20				
										140			
											32		
												24	
													108

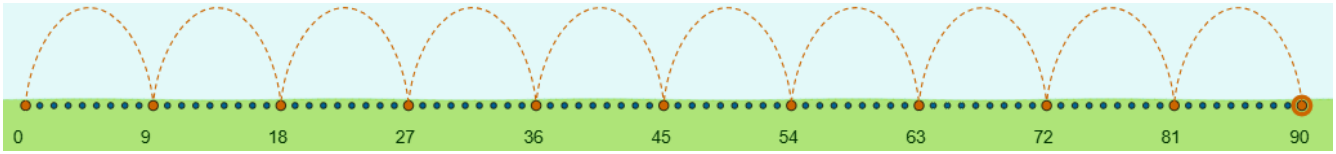
G9 Unit 4 Numeracy 6

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





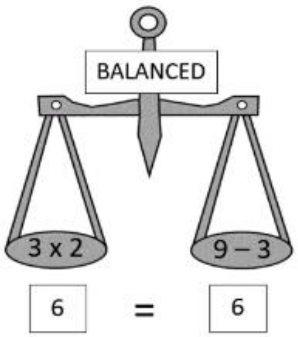
1.	84	÷	7	=		9.	72	÷	-9	=		
2.	81	÷	9	=		10.	45	÷	-9	=		
3.	-81	÷	-9	=		11.	-14	÷	7	=		
4.	-49	÷	-7	=		12.	56	÷	-7	=		
5.	-72	÷	9	=		13.	-36	÷	9	=		
6.	21	÷	-7	=		14.	54	÷	9	=		
7.	-70	÷	-7	=		15.	63	÷	9	=		
8.	-63	÷	7	=		16.	-27	÷	-9	=		

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.

	30											
		90										
			14									
				160								
	15	27	6	24	33	9	60	21	45	36	18	12	30
						33							
							40						
								84					
									75				
										180			
											54		
												16	
													80

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	=
2.	-56	÷	8	=
3.	77	÷	-7	=
4.	-49	÷	7	=
5.	6	÷	-6	=
6.	-24	÷	-8	=
7.	48	÷	-8	=
8.	-56	÷	7	=
9.	-12	÷	-6	=
10.	-48	÷	-8	=

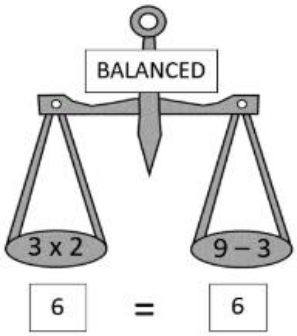
11.	-64	÷	8	=
12.	-30	÷	-6	=
13.	-63	÷	7	=
14.	70	÷	7	=
15.	72	÷	-8	=
16.	-24	÷	-6	=
17.	64	÷	8	=
18.	32	÷	8	=
19.	18	÷	6	=
20.	72	÷	8	=

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.

			45									18
			100								240	
			75							45		
			25						50			
			40					72				
			15				18					
			60			48						
			30		90							
			35	49								
			20	44								
			50									
		220	55									
	16		10									

G9 Unit 4 Numeracy 8

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.

			84									63
			36								6	
			60							40		
			72						18			
			24					22				
			240				400					
			96				80					
			120			40						
			108		63							
			144	72								
			48									
		225	180									
	55		132									

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