Sequence - Level 1

Material	Operation	Word Problem	Fact	Word Problem
golden beads	static + (7)	<,>,=	object + sums < 10	Indentify teen #
	exchange game (7)		sums > 10	
	dynamic + (7)	cardinal order	bead bar + < 10	Identity ten #
			bead bar + >10	
	static - (7)	writing #	search for 10 snake	patterns on 100 board
	Rich man/poor man		stripboard +	identify # on a line — commutative addends less than 10
			number line +	given pic. Write equation < 10
	dynamic - (7)	identify place value	Object -	graphic number line + write equation
stamp game	formation of #	create the largest	stripboard -	differences < 10 graphic number line + write equation > 10
		and smallest #	number line-	given pic. Write 2 equations +, -
	static + (4)	given 3 numerals	snake game 1 +	patterns on 100 board
	dynamic + (7)			
			Chart 3 +	predicting patterns in tables
golden beads	multiplication (7)	2 digit static +	Chart 4 + (<,> 10)	graphic of number line sub prob. Write equation
			bead board X	missing addend
dot board	formation of #	What am I?	Chart 5+ odd/even	3 addend sums > 10
	static + (4)			
	dynamic + (7)		Chart 6 +	write comparisons
bead frame	formation of #	4 digit static +	Chart 1 -	fact families to 18
	dynamic + (7)			
		2 digit dynamic +		
			test snake game +	sums > 10 3 addends
			Missing addends	using pictographs
			several addends	two step, + only
golden beads	÷ 1 digit (7)	write own story prob	÷ bead board	two step, +, -
			Bingo -	fact families (+,-)
bead frame	dynamic - (8)	4 digit static -	snake game -	differences > 10 ; 2 step
stamp game	multiplication (7)	tables + static/dyn	X bead layout	bar graphic +,-
		"bar" for add/sub		
golden beads	÷ 2 digit (7)	4 digit dyn +		

material	Operation	Word Problem	Fact	Word Problem
			factors of a product	missing addends function machine +,-
small bead frame	level 1	dynamic + show comparison	commutative factors	missing subtrahends
large bead frame	level 1	dynamic - estimation	squares of numbers	perimeter of a rectangle
checkerboard	level 1	mixed dyn + - find expression	deconomial	tables, graphs using +,-
checkerboard design		look for patterns		
large bead frame	level 2	2 step + , -	X chart 3	ten X patterns skip counting
checkerboard	level 2	number line	X chart 4	find expression
gold bead frame	level 2		X chart 5	squares patterns
bank game			X snake game	extend a pattern
			missing factors	Two step +,-,X

Material	Operation	Word Problem	Fact	Word Problem
			÷ Chart 1	mixed +,-,X 2 step
			Chart 2	
large bead frame	level 3	x single digit	Special Combinations	elapsed time
		growing patterns	distributive property	combinations
checkerboard	level 3	area of rectangels		
gold bead frame	level 3		X of a binomial	Funtion machine x, ÷
			X of a trinomial	mixed +,-,X,÷ 2 step
stamp game	div. 1 digit	Number line		
		estimation/grp div		
	div. 2 digit	missing infor.		
		bar graphic	negative snake game 1	ratios
	div. 3 digit	Place value stories		
		graphs and patterns	negative snake game 2	algebraic patterns
	bridge	what is my number?		
test tubes	1 digit	two step X and Div		
			Passage from 1 sq to another	set up algebraic equations
	2 digit			
			Passage from 1 sq to non	set up algebraic equations

Card #	Operations Concept	Word Problem
	Golden Beads Addition	
GB 1	69	Answers will vary
GB 2	876	7<9; 5>2; 6=six
GB 3	6598	10 = 10 = 10; 100=100=100
GB 4	8979	100=100; 47>32
GB 5	4978	14<17; 15>13
GB 6	8838	22<32; 53>41
GB 7	8598	20=20; 53<58; 23<32
GB 8	4458	75>57; 60=sixty; 32<33
GB 9	7471	39<40; 90>89: 29<30
GB 10	3962	126>122; 134>125; 167=167
GB 11	6067	16; 23; 39
GB 12	7000	44; 45; 56; 57: 62: 65
GB 13	6837	68; 69; 80; 82; 85
GB 14	3259	41; 48; 56; 59; 61; 67
GB 15	5015	Answers will vary
GB 16	9953	Answers will vary
GB 17	6838	Answers will vary
GB 18	6102	7 8 9 10
GB 19	5664	16 17 18 19
GB 20	4000	22 23 24 25
GB 21	2801	33 47 51 62

Golden Beads Subtraction

GB 1	10499	Answers will vary
GB 2	1221	Answers will vary
GB 3	6341	2 tens and 3 units; 20+3; twenty-three
GB 4	743	3 tens and 9 units; 30+9; thirty-nine
GB 5	2853	5 tens and 4 units; 50+4; fifty-four
GB 6	1253	8 tens and 5 units; 80+5; eighty-five
GB 7	2000	9 tens and 1 units; 90+1; ninety-one
GB 8	This is the story of King Lear	5:9:5:0:6
GB 9	2488	8:7:4:2:0
GB 10	3785	1:8:0:2:0
GB 11	658	3:4:1:3:2
GB 12	3827	36; 356; 1236; 29236
GB 13	1868	2654
GB 14	5426	4097
GB 15	3785	8913

Golden Beads Multiplication

GB 1	Activity. Answers will vary	39
GB 2	6396	68
GB 3	8698	79
GB 4	4305; 9416	97
GB 5	5118; 7166	48
GB 6	7934; 6015	91

GB 7	2372; 7980	69
GB 8	10; 20; 30; 40; 50; 60; 70; 80; 90; 100	$305/wk
GB 9	100; 200; 300; 400; 500; 600; 700; 800; 900; 1000	8 classes
GB 10	1000; 2000; 3000; 4000; 5000; 6000; 7000; 8000; 9000; 10000	140

Golden Beads Division

GB 1	3123	Answers will vary
GB 2	4312	Answers will vary
GB 3	1345	Answers will vary
GB 4	342; 1502	Answers will vary
GB 5	321; 1335	Answers will vary
GB 6	342; 2118	Answers will vary
GB 7	283; 2102	Answers will vary
GB 8	256	1972
GB 9	246	147
GB 10	357	2746
GB 11	365; 423	379
GB 12	347; 325	328
GB 13	312; 147	1095
GB 14	163; 251	

Stamp Game Addition

SG 1	Arrange as is	Answers will vary; i.e: 140
SG 2	32: thirty two; 534: five hundred thirty four; 600: six	Answers will vary; i.e: 300

	hundred; 3,405: three thousand four hundred five	
SG 3	7487; 6748	Answers will vary; i.e: 430
SG 4	6877; 9998	Answers will vary; i.e: 632
SG 5	9888; 10333	Answers will vary; i.e: 720
SG 6	4251; 8823	Answers will vary; i.e: 431
SG 7	9026; 9752; 8550	Answers will vary; i.e: 145
SG 8	8201; 8141; 9242	Answers will vary; i.e: 773
SG 9	8404; 5301; 7000	Answers will vary; i.e: 353
SG 10	6564; 9010; 4714	Answers will vary; i.e: 647

Stamp Game Subtraction

SG 1	2324	43
SG2	1624; 7135; 1306	89
SG 3	5014; 4632; 1385	832
SG 4	1337; 999	125
SG 5	1808; 1167; 5527	320
SG 6	2786; 989; 1041	247
SG 7	1064; 2864; 1385	157
SG 8	482; 684; 3694	830

Stamp Game Multiplication

SG 1	3693; 4828	1. 7 inch
		2. 103 inch
		3. Felicia
SG 2	5052; 7115; 7584	Copy as is

Answer Key: Lower Elementary Math Task Cards

SG 3	8320; 6718; 3740	1. 45
		2. 141
		97+152=249
SG 4	6675; 9247; 9134	152+97=249
		249-152=97
		249-97=152
SG 5	9999; 7012; 7878	1. 165
		2. Answers vary
SG 6	9274; 1884; 9016	177+168=345
		168+177=345
		345-177=168
		345-168=177
SG 7	9999; 3250; 4851	1. 108
		2. 847
SG 8	4698; 7692; 8164	297+185=482
		185+297=482
		482-185=297
		482-297=185
SG 9	10; 20; 30; 40; 50; 60; 70; 80; 90; 100	1. 78
		2. Humpback and Sperm
		3. Finback
SG 10	100; 200; 300; 400; 500; 600; 700; 800; 900; 1000	215+157=372
		1527215=372
		372-215=1527

		372-157=215
SG 11	1000; 2000; 3000; 4000; 5000; 6000; 7000; 8000; 9000; 10000	1. 106 tons 2. Humpback and Sperm 3. Finback

Stamp Game Division

SG 1	2432	Answers will vary but first set of diagram will show 5 groups with 6 children; second diagram will show 3 groups with 10 children; third diagram will show 2 groups with 15 students in each.
SG 2	2432; 2312	1. 4 2. 208 3. 214 4. 3
SG 3	3148; 1452	162
SG 4	287; 1437	20
SG 5	1756; 513	1. W 2. 519 3. 521 4. 6
SG 6	615; 4197	1. 249 2. 1400 3. Saturday & Sunday
SG 7	374; 1824	123454321
SG 8	248; 910	120

SG 9	351	482
SG 10	251; 351	839
SG 11	413; 524	2892
SG 12	172; 234	13
SG 13	342; 221	12 and 24
SG 14	202; 301	8 and 16
SG 15	301; 202	7 and 14
SG 16	150; 230	16 and 32
SG 17	31; 41	1. 20 2. 24 3. 50
SG 18	25; 18	8642
SG 19	34; 23	1. 7 2. 60 3. Not possible since the legs are multiples of 6 and 40 is not a multiple of 6
SG 20	35; 21	3755
SG 21	9; 12	14
SG 22	7; 50	Possible Answers: 583; 385; 484
SG 23	1232; 1212	10
SG 24	202; 305	757
SG 25	4320; 307	75
SG 26	1070; 631	4643

	Dot Board	
DB 1	Answers are read to teacher	626
DB 2	34999	259
DB 3	69998; 99999	684
DB 4	99998; 99996	931
DB 5	48788; 19979	251
DB 6	100754; 99764	Answers will vary
DB 7	16312; 39965	Answers will vary
DB 8	98593; 43210	Answers will vary
DB 9	54028; 32680	Answers will vary
DB 10	62539; 75696	Answers will vary
DB 11	86000; 94474	Answers will vary
DB 12	90958; 93876	Answers will vary
	Small Bead Frame Addition	
SBF 1	Produce as Stated	100=15=115
		300+40=340
		12+20=32
SBF 2	7939; 8798; 6697	300+5=305
		19+19=38
		140+50=190
SBF 3	6574; 6321; 7200	Yes, answers will vary
SBF 4	8379; 10106; 8361	20+18=38
		200+13=213
		300+60=360

SBF 5	7782; 7753; 8935	Answers will vary
SBF 6	7753; 7256; 10889	100+50=150
		220+60=280
		400+30=430
SBF 7	1. 7524: seven thousand twenty four	Answers will vary
	2. 4861: four thousand sixty one	
	3. 8627: eight thousand twenty seven	
SBF 8	1. 9031: nine thousand thirty one	Answers will vary
	2. 8631: eight thousand thirty one	

Small Bead Frame Subtraction

SBF 1	2111; 2111; 3122	26
SBF 2	1687; 717; 4075	21
SBF 3	3785; 4567; 989	25
SBF 4	175; 813; 4803	20
SBF 5	2226; 1886; 2778	22
SBF 6	1953; 675; 790	22
SBF 7	1. 2758: two thousand seven hundred fifty eight	20-7=13
	2. 6568: six thousand five hundred sixty eight	
SBF 8	1. 3557: three thousand	27-6=21

five hundred fifty
seven

2. 789: seven hundred
eighty nine

Small Bead Frame
Multiplication I

SBF 1	426; 705	>; >; >; <
SBF 2	6408; 6294; 5472	<; >; >; <
SBF 3	3411; 8728; 6700	=; =; >; <
SBF 4	4725; 4948; 3294	>; <; >; =
SBF 5	6098; 4581; 6015	<; <; >; <
SBF 6	7732; 9587; 8856	=; >; <; <

Small Bead Frame
Multiplication II

SBF 1	Produce as is	942; 924; 429 492 249 294 942 924
SBF 2	8528; 7917; 6104	356; 563; 653 635 563 536 356 365
SBF 3	4575; 8152; 7680	741; 471; 417 471 147 174 714 741
SBF 4	8112; 8187; 4280	358; 538; 385 358 853 835 583 538
SBF 5	1. Eight thousand six hundred ninety four	910; 91; 901 910 109 190 91 19
	2. Nine thousand eight hundred four	
	3. Three thousand nine hundred forty eight	
SBF 6	1. Five thousand three hundred twenty	278; 827; 728 782 827 872 287 278

five

2. Three thousand five
   hundred ninety six

3. Seven thousand one
   hundred seventy

Large Bead Frame I

	Produce as is	Directions
LBF 1	Produce as is	Directions
LBF 2	13293; 11664; 14172	50 80 30 50 60
LBF 3	492476; 680883; 278820	90 60 40 30 50
LBF 4	298256; 29282; 415524	70 40 60 30 80
LBF 5	239729; 161324; 945546	20
LBF 6	344762; 98400; 188812	30

Large Bead Frame II

LBF 1	1109550;1602094;2031058	24
LBF 2	1164544; 1326605; 1977208	285
LBF 3	1321875; 12318475; 3347322	31
LBF 4	10549176; 1234489; 162031	24
LBF 5	1920561; 18665412; 1815450	76
LBF 6	8299200; 4945605; 1074744	Picture will include a nickel and two pennies; seven pennies
LBF 7	2884380; 4117690; 2970840	80
LBF 8	1886815; 4321870; 14816662	52

Large Bead Frame III

LBF 1	3338766; 613270; 3295664	168
LBF 2	14222325; 4249841; 422716	4

LBF 3	3719084; 3192735; 2044928	288
LBF 4	3069450; 1809940; 6090658	150
LBF 5	6020950; 11460420; 1025544	Pattern and rows will repeat as is
LBF 6	14237782; 3011948; 1877751	4 tables
LBF 7	10815790; 3406231; 1132616	$4.80
LBF 8	2659901; 3747948; 387274	364

Checkerboard I

CB 1	Picture as is	444
CB 2	17248	60+60+60-40=140
CB 3	43404; 22917; 20184	60
CB 4	3598610; 6915228; 3864798	10
CB 5	5569098; 2739330; 1330860	20+20+20+20+20
CB 6	3496311; 1195618; 1749425	74
CB 7	7845164; 2406864; 9612135	$13
CB 8	1. 2693925	373 items
	2. 3772632	
	3. 5473935	

Checkerboard Design

CBD 1	Picture as shown	Repeat pattern but with one extra star on each side; total 17
CBD 2	18702; 19017; 10168	55
CBD 3	Picture as shown	Repeat pattern as shown two more times to the right
CBD 4	17199; 4728; 12320	2
CBD 5	55973; 158346; 113724	3 weeks

CBD 6	10879; 59532; 19764	24

Checkerboard II

CB 1	12396; 15252; 16524	(2+2)x14=28
CB 2	1138455; 715052; 403112	120 Squares and 60 rectangles
		(12x10)+(6x10)
CB 3	5292646; 262476; 307450	6
CB 4	1156448; 511765; 416484	22
CB 5	1456314; 212472; 765576	12
CB 6	29415; 126208; 333376	21

Checkerboard III

CB 1	82296; 60264; 55493	18; 36
CB 2	488106; 160512; 520884	16; 14
CB 3	379960; 99984; 182448	16; 100
CB 4	86867; 447984; 736668	24
CB 5	75808; 126208; 94240	35
CB 6	156933; 212397; 203812	250
CB 7	1. One million three hundred sixty thousand three hundred eighty 2. Seventy nine thousand nine hundred forty six 3. Three hundred fifty four thousand four hundred thirty eight	120

CB 8	Answers will vary	48
	Gold Bead Frame II	
GBF 1	Picture as shown	No it will not.
GBF 2	90032; 28251; 137232	Science Pop and History Quest
GBF 3	91902; 34314; 527352	123 science and 246 fiction
GBF 4	151242; 232145; 392150	7, 9, 11
GBF 5	49662; 523952; 180256	255 lb
GBF 6	167829; 642600; 441252	180 meters
GBF 7	156547; 156414; 683333	303
GBF 8	179968; 574948; 635682	Half an hour to 46 minutes
GBF 9	1116159; 13888992; 2345580	$100,000
GBF 10	2700322; 3331584; 216234	537 knots
GBF 11	1633185; 2556288; 22149783	Microwave low fat; air popped
GBF 12	1845792; 404952; 689892	18
CBF 13	5918802; 3964592; 17541360	9000 hrs.
CBF 14	1257880; 1408095; 1074735	40
	Bank Game III	
BG 1	16712; 146556	8
BG 2	283142; 120142	36 red; 6 white
BG 3	204867; 275272	10
BG 4	714263; 282321	20
BG 5	167768; 1691338	6 blue beads and 18 pearls
BG 6	227560; 516648	3.75

	Test Tubes	
TT 1	2441	1728
TT 2	1421; 1241	No
TT 3	325; 2470	359
TT 4	364; 843	10236 bricks
TT 5	2102; 309	10272 spaces
TT 6	4022; 1047	138
TT 7	1002; 254 R 3	Answers will vary
TT 8	2410 R 2; 1441	Answers will vary
TT 9	621	She did more
TT 10	3535; 4827	100 each
TT 11	148792; 2584	9
TT 12	25871; 3841	3
TT 13	7456; 352	24
TT 14	4963; 2791	9
TT 15	5143; 1793	12 6 6 2
TT 16	4782; 4825	9 plants