

Sequence - Level 1

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

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

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

Answer Key: Lower Elementary Math Task Cards

Card #	Operations Concept	Word Problem
	<i>Golden Beads Addition</i>	
GB 1	69	Answers will vary
GB 2	876	$7 < 9$ ; $5 > 2$ ; $6 = \text{six}$
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	$75 > 57$ ; $60 = \text{sixty}$ ; $32 < 33$
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

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*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

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Answer Key: Lower Elementary Math Task Cards

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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
<i>Golden Beads Division</i>		
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	
<i>Stamp Game Addition</i>		
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

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Answer Key: Lower Elementary Math Task Cards

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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

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Answer Key: Lower Elementary Math Task Cards

SG 3	8320; 6718; 3740	1. 45 2. 141
SG 4	6675; 9247; 9134	$97+152=249$ $152+97=249$ $249-152=97$ $249-97=152$
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	$215+157=372$ $1527215=372$ $372-215=1527$



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$$372-157=215$$

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|-------|--|--|
| SG 11 | 1000; 2000; 3000; 4000; 5000;<br>6000; 7000; 8000; 9000; 10000 | <ol style="list-style-type: none"> <li>1. 106 tons</li> <li>2. Humpback and Sperm</li> <li>3. Finback</li> </ol> |
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*Stamp Game Division*

SG 1	2432	<p>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.</p>
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|------|------------|--|
| SG 2 | 2432; 2312 | <ol style="list-style-type: none"> <li>1. 4</li> <li>2. 208</li> <li>3. 214</li> <li>4. 3</li> </ol> |
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SG 3	3148; 1452	162
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SG 4	287; 1437	20
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|------|-----------|--|
| SG 5 | 1756; 513 | <ol style="list-style-type: none"> <li>1. W</li> <li>2. 519</li> <li>3. 521</li> <li>4. 6</li> </ol> |
|------|-----------|--|

- |      |           |   |
|------|-----------|---|
| SG 6 | 615; 4197 | <ol style="list-style-type: none"> <li>1. 249</li> <li>2. 1400</li> <li>3. Saturday &amp; Sunday</li> </ol> |
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SG 7	374; 1824	123454321
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SG 8	248; 910	120
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Answer Key: Lower Elementary Math Task Cards

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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

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Answer Key: Lower Elementary Math Task Cards

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*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

Answer Key: Lower Elementary Math Task Cards

SBF 5	7782; 7753; 8935	Answers will vary
SBF 6	7753; 7256; 10889	100+50=150 220+60=280 400+30=430
SBF 7	<ol style="list-style-type: none"> <li>7524: seven thousand twenty four</li> <li>4861: four thousand sixty one</li> <li>8627: eight thousand twenty seven</li> </ol>	Answers will vary
SBF 8	<ol style="list-style-type: none"> <li>9031: nine thousand thirty one</li> <li>8631: eight thousand thirty one</li> </ol>	Answers will vary
<i>Small Bead Frame Subtraction</i>		
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	<ol style="list-style-type: none"> <li>2758: two thousand seven hundred fifty eight</li> <li>6568: six thousand five hundred sixty eight</li> </ol>	20-7=13
SBF 8	<ol style="list-style-type: none"> <li>3557: three thousand</li> </ol>	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  2. Nine thousand eight hundred four  3. Three thousand nine hundred forty eight	910; 91; 901 910 109 190 91 19
SBF 6	1. Five thousand three hundred twenty	278; 827; 728 782 827 872 287 278

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five

2. Three thousand five hundred ninety six
3. Seven thousand one hundred seventy

*Large Bead Frame I*

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

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Answer Key: Lower Elementary Math Task Cards

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
<i>Checkerboard I</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	<ol style="list-style-type: none"> <li>1. 2693925</li> <li>2. 3772632</li> <li>3. 5473935</li> </ol>	373 items
<i>Checkerboard Design</i>		
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

Answer Key: Lower Elementary Math Task Cards

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CBD 6	10879; 59532; 19764	24
	<i>Checkerboard II</i>	
CB 1	12396; 15252; 16524	$(2+2) \times 14 = 28$
CB 2	1138455; 715052; 403112	120 Squares and 60 rectangles $(12 \times 10) + (6 \times 10)$
CB 3	5292646; 262476; 307450	6
CB 4	1156448; 511765; 416484	22
CB 5	1456314; 212472; 765576	12
CB 6	29415; 126208; 333376	21
	<i>Checkerboard III</i>	
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	<ol style="list-style-type: none"> <li>1. One million three hundred sixty thousand three hundred eighty</li> <li>2. Seventy nine thousand nine hundred forty six</li> <li>3. Three hundred fifty four thousand four hundred thirty eight</li> </ol>	120

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Answer Key: Lower Elementary Math Task Cards

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CB 8	Answers will vary	48
	<i>Gold Bead Frame II</i>	
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
	<i>Bank Game III</i>	
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

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*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