

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 + | | |

Sequence - Level 2

| 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 # | Facts Concept | Word Problem |
|--------|---|------------------------|
| | <i>Object Addition</i> | |
| OA 1 | 1. 9 2. 10 3. 7 4. 6 5. 8 6. 6 | 16; 12; 19 |
| OA 2 | 1. 5 2. 9 3. 10 4. 6 5. 7 6. 6 7. 9 8. 8 9. 9 10. 10 | 13; 17; 14 |
| OA 3 | 1. 10 2. 9 3. 9 4. 8 5. 8 6. 3 | 14; 16; 11; 13; 17; 19 |

Answer Key: Lower Elementary Math Task Cards

7. 6

8. 9

9. 9

10. 8

OA 4

1. 10

10: 12; 13: 15; 18: 20

2. 10

3. 7

4. 7

5. 7

6. Eight

7. Six

8. Nine

9. Nine

10. Nine

OA 5

1. 11

1. 13

2. 12

2. 16

3. 13

3. 19

4. 14

5. 15

6. 10

7. 11

8. 12

9. 13

10. 14

Answer Key: Lower Elementary Math Task Cards

OA 6

1. 10

1. 14

2. 12

2. 12

3. 14

3. 15

4. 16

5. 18

6. 11

7. 11

8. 12

9. 16

10. 10

OA 7

1. 13

1. 11

2. 15

2. 18

3. 12

3. 17

4. 16

5. 16

6. 10

7. 10

8. 14

9. 14

10. 17

OA 8

1. 10

As seen on task card

2. 13

3. 12

4. 12

5. 14
6. Ten
7. Sixteen
8. Thirteen
9. Fifteen
10. Nin

Bead Stair Addition

CBA 1

1. 7
2. 9
3. 6
4. 8
5. 10
6. 10
7. 9
8. 4
9. 9
10. 7

Answers will vary

CBA 2

1. 9
2. 5
3. 9
4. 9
5. 8
6. 7
7. 9

Picture of beads

Picture of ten bar with 5 unit beads

10+5

Fifteen

Answer Key: Lower Elementary Math Task Cards

| | | | |
|-------|-----|----|--------------------------------------|
| | 8. | 6 | |
| | 9. | 7 | |
| | 10. | 10 | |
| CBA 3 | 1. | 10 | Picture of beads |
| | 2. | 9 | Picture of ten bar with 3 unit beads |
| | 3. | 10 | $10+3$ |
| | 4. | 9 | Thirteen |
| | 5. | 9 | |
| | 6. | 9 | |
| | 7. | 10 | |
| | 8. | 8 | |
| | 9. | 8 | |
| | 10. | 9 | |
| CBA 4 | 1. | 6 | Picture of beads |
| | 2. | 4 | Picture of ten bar with 8 unit beads |
| | 3. | 8 | $10+8$ |
| | 4. | 2 | Eighteen |
| | 5. | 10 | |
| | 6. | 10 | |
| | 7. | 7 | |
| | 8. | 7 | |
| | 9. | 9 | |
| | 10. | 10 | |
| CBA 5 | 1. | 13 | Picture of beads |

Answer Key: Lower Elementary Math Task Cards

| | | | |
|-------|-----|----|--------------------------------------|
| | 2. | 11 | Picture of ten bar with 1 unit beads |
| | 3. | 15 | 10+1 |
| | 4. | 16 | Eleven |
| | 5. | 10 | |
| | 6. | 14 | |
| | 7. | 13 | |
| | 8. | 14 | |
| | 9. | 14 | |
| | 10. | 15 | |
| CBA 6 | 1. | 11 | Picture of beads |
| | 2. | 12 | Picture of ten bar with 4 unit beads |
| | 3. | 11 | 10+4 |
| | 4. | 12 | Fourteen |
| | 5. | 15 | |
| | 6. | 13 | |
| | 7. | 10 | |
| | 8. | 10 | |
| | 9. | 14 | |
| | 10. | 11 | |
| CBA 7 | 1. | 14 | Picture of beads |
| | 2. | 13 | Picture of ten bar with 2 unit beads |
| | 3. | 13 | 10+2 |
| | 4. | 10 | Twelve |
| | 5. | 15 | |

6. 12

7. 13

8. 13

9. 11

10. 17

CBA 8

1. 15

Picture of beads

2. 12

Picture of ten bar with 9 unit beads

3. 13

10+9

4. 11

Nineteen

5. 11

6. 11

7. 13

8. 13

9. 12

10. 12

Snake Game Addition

SNK 1

50

Answers will vary

SNK 2

50

Answers will vary

SNK 3

60

Answers will vary

SNK 4

70

Answers will vary

SNK 5

45

Answers will vary

SNK 6

51

Answers will vary

SNK 7

69

Answers will vary

SNK 8

50

Answers will vary

Answer Key: Lower Elementary Math Task Cards

| | | |
|-------------------------------|-------------------|---------------------------|
| SNK 9 | 70 | Answers will vary |
| SNK 10 | 49 | Answers will vary |
| SNK 11 | 85 | 19 nuts |
| SNK 12 | 71 | 19 snowflakes |
| SNK 13 | 47 | 19 buttons |
| SNK 14 | 65 | 15 books |
| SNK 15 | 59 | 12 e-mails |
| SNK 16 | 56 | 17 pieces of meat |
| SNK 17 | 71 | 12 laps |
| SNK 18 | Answers will vary | 11 items |
| <i>Snake Game Subtraction</i> | | |
| SNK 1 | 40 | 13 carrots |
| SNK 2 | 30 | 14 were not handkerchiefs |
| SNK 3 | 58 | 15 fields |
| SNK 4 | 30 | 11 were left |
| SNK 5 | 58 | 4 eggs |
| SNK 6 | 22 | 12 days |
| SNK 7 | 38 | 13 dances |
| SNK 8 | Answers will vary | 18 nuts |
| <i>Negative Snake Game I</i> | | |
| SNK 1 | 31 | 8 20 100 |
| SNK 2 | 20 | 21 30 300 |
| SNK 3 | 30 | 4 12 16 |
| SNK 4 | 18 | Top row: 3 and 9 |

Answer Key: Lower Elementary Math Task Cards

| | | |
|----------------------------------|-------------------|---|
| | | Bottom row: 5 15 20 |
| SNK 5 | 26 | Top row: 1 3 |
| | | Bottom row: 4 12 16 |
| SNK 6 | 4 | 12 cubes |
| SNK 7 | 1 | 14 squares |
| | | 104 squares |
| SNK 8 | 0 | 15 cubes |
| SNK 9 | 6 | 16 cubes |
| SNK 10 | Answers will vary | 15 cubes |
| <i>Snake Game Multiplication</i> | | |
| SNK 1 | 59 | Red, green, green, blue |
| SNK 2 | 59 | Light blue, light green, light blue, light yellow, light red |
| SNK 3 | 97 | 16 to cover the 5 th set |
| SNK 4 | 85 | 64, 73, 82 |
| SNK 5 | 59 | 44, 46, 92 |
| SNK 6 | 83 | 50, 65, 82 |
| SNK 7 | 50 | 192, 384, 768 |
| SNK 8 | Answers will vary | 78, 81, 172 |
| <i>Addition Strip Board</i> | | |
| ASB 1 | 2 4 6 8 10 | Y = 17 |
| | | Z = 19 |
| ASB 2 | 1+9=10 | Y = 17 |
| | 2+8=10 | Z = 22 |

Answer Key: Lower Elementary Math Task Cards

$3+7=10$

$4+6=10$

$6+4=10$

$7+3=10$

$8+2=10$

$9+1=10$

ASB 3

$1+8=9$

$Y = 14$

$2+7=9$

$Z = 19$

$3+6=9$

$4+5=9$

$5+4=9$

$6+3=9$

$7+2=9$

$1+8=9$

ASB 4

$1+7=8$

$Y = 18$

$2+6=8$

$Z = 22$

$3+5=8$

$5+4=8$

$6+2=8$

$7+1=8$

ASB 5

$1+6=7$

$Y = 15$

$2+5=7$

$Z = 24$

$3+4=7$

$5+2=7$

Answer Key: Lower Elementary Math Task Cards

| | | |
|--------|--------------------------------|---------|
| | $6+1=7$ | |
| ASB 6 | $1+5=6$ | Y = 11 |
| | $2+4=6$ | Z = 17 |
| | $4+2=6$ | |
| | $5+1=6$ | |
| ASB 7 | $1+4=5$ | ? = 16 |
| | $2+3=5$ | ? = 21 |
| | $3+2=5$ | |
| | $4+1=5$ | |
| ASB 8 | 12 14 16 18 | ? = 17 |
| | | ? = 14 |
| ASB 9 | $2+9=11$ | 5 pets |
| | $3+8=11$ | |
| | $4+7=11$ | |
| | $5+6=11$ | |
| | $6+5=11$ | |
| | $7+4=11$ | |
| | $8+3=11$ | |
| | $9+2=11$ | |
| ASB 10 | $3+9=12$ | 7 birds |
| | $4+8=12$ | 7 rolls |
| | $5+7=12$ | |
| | $6+6=12$ | |
| | $7+5=12$ | |

Answer Key: Lower Elementary Math Task Cards

| | | |
|--------|--------------------------------|-----------|
| | $8+4=12$ | |
| | $9+3=12$ | |
| ASB 11 | $4+9=13$ | 7 Animals |
| | $5+8=14$ | 7 balls |
| | $6+7=13$ | |
| | $7+6=13$ | |
| | $8+5=13$ | |
| | $9+4=13$ | |
| ASB 12 | $5+9=14$ | 9 words |
| | $6+8=14$ | 9 items |
| | $7+7=14$ | |
| | $8+6=14$ | |
| | $9+5=14$ | |
| ASB 13 | $6+9=15$ | 3 plants |
| | $7+8=15$ | 3 hugs |
| | $8+7=15$ | |
| | $9+6=15$ | |
| ASB 14 | $7+9=16$ | 10 bubble |
| | $8+8=16$ | 10 toys |
| | $9+7=16$ | |
| ASB 15 | $1+3=4$ | 9 laps |
| | $2+2=4$ | 9 buttons |
| | $3+1=4$ | |

$1+2=3$

$2+1=3$

$8+9=17$

$9+8=17$

$1+1=2$

$9+9=18$

Number Line Addition

NLA 1

1. 7

$10-9=1$

2. 7

3. 7

4. 5

5. 8

6. 10

7. 10

8. 9

9. 10

10. 4

11. 10

12. 8

NLA 2

1. 9

$13+1=14$

2. 4

3. 9

Answer Key: Lower Elementary Math Task Cards

4. 8

5. 7

6. 8

7. 7

8. 8

9. 9

10. 6

11. 5

12. 7

NLA 3

1. 10

$8-1=7$

2. 6

3. 4

4. 7

5. 9

6. 6

7. 10

8. 5

9. 9

10. 8

11. 10

12. 9

NLA 4

1. Six

$2+10=12$

2. Eight

3. Seven

4. Three
5. Nine
6. Four
7. Nine
8. Eight
9. Seven
10. Seven
11. Seven
12. Six

NLA 5

1. 14 $4+9=13$
2. 12
3. 13
4. 11
5. 13
6. 14
7. 18
8. 11
9. 11
10. 12
11. 14
12. 15

NLA 6

1. 12 $3+3=6$
 2. 17
 3. 12
-

Answer Key: Lower Elementary Math Task Cards

4. 11

5. 12

6. 14

7. 15

8. 12

9. 11

10. 11

11. 13

12. 14

NLA 7

1. 14

$7-1=6$

2. 18

3. 13

4. 11

5. 14

6. 11

7. 17

8. 15

9. 13

10. 13

11. 14

12. 13

NLA 8

1. Sixteen

$1+7=8$

2. Sixteen

3. Eleven

4. Fifteen
5. Fourteen
6. Fourteen
7. Twelve
8. Thirteen
9. Twelve
10. Seventeen
11. Eleven
12. Thirteen

Number Line Subtraction

NLS 1

- | | | |
|-----|---|-----------|
| 1. | 6 | $11-5=6$ |
| 2. | 1 | $11+5=16$ |
| 3. | 2 | |
| 4. | 7 | |
| 5. | 3 | |
| 6. | 5 | |
| 7. | 1 | |
| 8. | 4 | |
| 9. | 5 | |
| 10. | 3 | |
| 11. | 5 | |
| 12. | 2 | |

NLS 2

- | | | |
|----|---|-----------|
| 1. | 5 | $10-4=6$ |
| 2. | 3 | $10+4=14$ |

Answer Key: Lower Elementary Math Task Cards

3. 7

4. 1

5. 1

6. 5

7. 4

8. 2

9. 7

10. 8

11. 3

12. 3

NLS 3

1. 6

$6+5=11$

2. 2

$6-5=1$

3. 8

4. 0

5. 6

6. 1

7. 1

8. 1

9. 8

10. 3

11. 5

12. 0

NLS 4

1. Eight

$8+6=14$

2. One

$8-6=2$

3. Zero

4. Five

5. Eight

6. Two

7. Three

8. One

9. One

10. One

11. Six

12. One

NLS 5

1. 6

$10+6=16$

2. 7

$10-6=4$

3. 7

4. 9

5. 6

6. 6

7. 9

8. 6

9. 2

10. 9

11. 9

12. 7

NLS 6

1. 9

$4+3=7$

2. 4

$4-3=1$

Answer Key: Lower Elementary Math Task Cards

3. 6

4. 9

5. 5

6. 8

7. 7

8. 9

9. 8

10. 8

11. 8

12. 8

NLS 7

1. 8

$5+2=7$

2. 4

$5-2=7$

3. 7

4. 6

5. 9

6. 9

7. 5

8. 8

9. 6

10. 8

11. 8

12. 3

NLS 8

1. Four

$9+4=13$

2. Five

$9-4=5$

3. Eight
4. Six
5. Six
6. Eight
7. Two
8. Five
9. Six
10. Seven
11. Nine
12. Nine

Object Subtraction

OS 1

1. 2
2. 8
3. 6
4. 4
5. 3
6. 7

$4+5=9$

OS 2

1. 7
2. 1
3. 7
4. 2
5. 1
6. 4
7. 4

$2+5=7$

8. 2

9. 2

10. 5

OS 3

1. 5, five

$7+2=9$

2. 2, two

3. 8, eight

4. 2, two

5. 1, one

6. 8, eight

7. 1, one

8. 3, three

9. 6, six

10. 2, two

OS 4

1. 9

$5+3=8$

2. 4

3. 9

4. 6

5. 4

6. 8

7. 9

8. 7

9. 7

10. 4

OS 5

1. 8

$4+4=8$

2. 5

3. 9

4. 7

5. 9

6. 5

7. 8

8. 7

9. 5

10. 8

OS 6

1. Three

$1+7=8$

2. Eight

3. Eleven

4. Eight

5. Eight

6. Six

7. Six

8. Nine

9. Seven

10. Eleven

Subtraction Strip Board

SSB 1

9 8 7 6 5 4 3 2 1

7

SSB 2

$10-1=9$

$8+6=14$

$10-2=8$

$10-3=7$

Answer Key: Lower Elementary Math Task Cards

$10-4=6$

$10-5=5$

$10-6=4$

$10-7=3$

$10-8=2$

$10-9=1$

SSB 3

$9-1=8$

3

$9-2=7$

$9-3=6$

$9-4=5$

$9-5=4$

$9-6=3$

$9-7=2$

$9-8=1$

SSB 4

$8-1=7$

$7+7=14$

$8-2=6$

$8-3=5$

$8-4=4$

$8-5=3$

$8-6=2$

$8-7=1$

SSB 5

$7-1=6$

4

$7-2=5$

$7-3=4$

Answer Key: Lower Elementary Math Task Cards

| | | |
|--------|-------------------|--------|
| | 7-4=3 | |
| | 7-5=2 | |
| | 7-6=1 | |
| SSB 6 | 6-1=5 | 9+8=17 |
| | 6-2=4 | |
| | 6-3=3 | |
| | 6-4=2 | |
| | 6-5=1 | |
| SSB 7 | 5-1=4 | 2 |
| | 5-2=3 | |
| | 5-3=2 | |
| | 5-4=1 | |
| SSB 8 | 9 8 7 6 5 4 3 2 1 | 8+5=13 |
| SSB 9 | 11-2=9 | 3 |
| | 11-3=8 | |
| | 11-4=7 | |
| | 11-5=6 | |
| | 11-6=5 | |
| | 11-7=4 | |
| | 11-8=3 | |
| | 11-9=2 | |
| SSB 10 | 12-3=9 | 7+4=11 |
| | 12-4=8 | |
| | 12-5=7 | |

Answer Key: Lower Elementary Math Task Cards

| | | |
|--------|--------|--------|
| | 12-6=6 | |
| | 12-7=5 | |
| | 12-8=4 | |
| | 12-9=3 | |
| SSB 11 | 13-4=9 | 5 |
| | 13-5=8 | |
| | 13-6=7 | |
| | 13-7=6 | |
| | 13-8=5 | |
| | 13-9=4 | |
| SSB 12 | 14-5=9 | 5+8=13 |
| | 14-6=8 | |
| | 14-7=7 | |
| | 14-8=6 | |
| | 14-9=5 | |
| SSB 13 | 15-6=9 | 5 |
| | 15-7=8 | |
| | 15-8=7 | |
| | 15-9=6 | |
| SSB 14 | 16-7=9 | 9+6=15 |
| | 16-8=8 | |
| | 16-9=7 | |

Addition Chart

| | | |
|-------|------|--------|
| +CH 1 | 1. 8 | 10; 14 |
|-------|------|--------|

2. 6

3. 8

4. 6

5. 9

6. 7

7. 8

8. 7

9. 6

10. 7

11. 9

12. 9

+CH 2

1. 9

4; 8; 12

2. 9

3. 9

4. 7

5. 5

6. 6

7. 6

8. 9

9. 9

10. 9

11. 8

12. 8

13.

Answer Key: Lower Elementary Math Task Cards

+CH 3

1. 5

6; 15; 18

2. 7

3. 7

4. 10

5. 9

6. 9

7. 7

8. 10

9. 8

10. 7

11. 7

12. 8

+CH 4

1. 15

Bananas: 6; 18

2. 11

Apples: 6; 10

3. 11

4. 13

5. 14

6. 14

7. 17

8. 11

9. 13

10. 16

11. 14

12. 11

Answer Key: Lower Elementary Math Task Cards

+CH 5

1. 13

Goals: 6; 8

2. 16

Saves: 12

3. 11

4. 12

5. 13

6. 13

7. 11

8. 17

9. 14

10. 14

11. 12

12. 15

+CH 6

1. 12

Fruit: 8

2. 15

Water: 8

3. 14

Sugar: 2; 4

4. 11

5. 12

6. 14

7. 16

8. 12

9. 16

10. 11

11. 11

12. 15

Answer Key: Lower Elementary Math Task Cards

+CH 7

- | | |
|--------|-----------------|
| 1. 13 | Yellow: 4; 6; 8 |
| 2. 12 | Red: 4; 6; 8 |
| 3. 12 | Green: 2; 3; 4 |
| 4. 12 | Blue: 2; 3; 4 |
| 5. 11 | |
| 6. 13 | |
| 7. 13 | |
| 8. 17 | |
| 9. 15 | |
| 10. 14 | |
| 11. 13 | |
| 12. 16 | |

+CH 8

- | | |
|--------------|------------------|
| 1. Twelve | Chocolate: 12 |
| 2. Twelve | Vanilla: 9 |
| 3. Thirteen | Strawberry: 4; 6 |
| 4. Seventeen | Rocky-road: 2 |
| 5. Fourteen | Blue boom: 2; 3 |
| 6. Eighteen | Coffee: 2; 3 |
| 7. Eleven | |
| 8. Fourteen | |
| 9. Thirteen | |
| 10. Eleven | |
| 11. Eleven | |
| 12. Thirteen | |

Answer Key: Lower Elementary Math Task Cards

+CH9

1. 9

10-4=6

2. 7

3. 8

4. 10

5. 10

6. 9

7. 7

8. 6

9. 10

10. 9

11. 7

12. 6

+CH 10

1. 8

7-5=2

2. 7

3. 7

4. 5

5. 6

6. 8

7. 6

8. 10

9. 6

10. 9

11. 9

12. 7

Answer Key: Lower Elementary Math Task Cards

+CH 11

1. 9

5-5=0

2. 9

3. 9

4. 6

5. 3

6. 10

7. 7

8. 7

9. 7

10. 8

11. 6

12. 7

+CH 12

1. 2

6-2=4

2. 8

3. 8

4. 4

5. 4

6. 10

7. 9

8. 3

9. 6

10. 7

11. 10

12. 7

Answer Key: Lower Elementary Math Task Cards

+CH 13

1. 15

10-2-2=6

2. 15

3. 15

4. 11

5. 11

6. 13

7. 13

8. 14

9. 12

10. 13

11. 17

12. 12

+CH 14

1. 14

9-3-4=2

2. 158

3. 11

4. 11

5. 17

6. 13

7. 11

8. 13

9. 16

10. 15

11. 13

12. 11

Answer Key: Lower Elementary Math Task Cards

+CH 15

1. 11

10-5-4=1

2. 13

3. 13

4. 15

5. 11

6. 17

7. 12

8. 14

9. 15

10. 13

11. 11

12. 12

+CH 16

1. 10

8-1-5=2

2. 15

3. 11

4. 13

5. 12

6. 13

7. 13

8. 11

9. 14

10. 15

11. 12

12. 12

Answer Key: Lower Elementary Math Task Cards

+CH 17

1. 8

22

2. 8

3. 8

4. 10

5. 10

6. 10

7. 6

8. 6

9. 8

10. 10

11. 10

12. 8

+CH 18

1. 9

16

2. 7

3. 7

4. 9

5. 7

6. 9

7. 7

8. 5

9. 9

10. 9

11. 5

12. 9

Answer Key: Lower Elementary Math Task Cards

+CH 19

1. 12

12 coins

2. 11

3. 16

4. 12

5. 11

6. 13

7. 16

8. 12

9. 12

10. 12

11. 12

12. 15

+CH 20

1. 18

14 fish

2. 12

3. 13

4. 15

5. 14

6. 11

7. 12

8. 14

9. 12

10. 16

11. 14

12. 13

Answer Key: Lower Elementary Math Task Cards

+CH 21

1. 13

15

2. 12

3. 14

4. 11

5. 15

6. 11

7. 15

8. 15

9. 14

10. 15

11. 12

12. 11

+CH 22

1. 12

18

2. 13

3. 12

4. 15

5. 12

6. 11

7. 13

8. 13

9. 13

10. 12

11. 14

12. 14

Answer Key: Lower Elementary Math Task Cards

| | | |
|--------------------------|---|----------------|
| +CH 23 | 1. 11 | 15 |
| | 2. 13 | |
| | 3. 12 | |
| | 4. 14 | |
| | 5. 15 | |
| | 6. 11 | |
| | 7. 15 | |
| | 8. 12 | |
| | 9. 17 | |
| | 10. 15 | |
| | 11. 16 | |
| | 12. 14 | |
| +CH 24 | Answers will vary | 17 |
| +CH 25 | Create as described in the instructions | $3 < 5 > 2$ |
| +CH 26 | Create as described in the instructions | $10 < 22 > 4$ |
| +CH 27 | Create as described in the instructions | $12 > 10 < 12$ |
| +CH 28 | Create as described in the instructions | $25 < 32 = 32$ |
| <i>Subtraction Chart</i> | | |
| -CH 1 | 1. 4 | $14 + 5 = 19$ |
| | 2. 5 | $5 + 14 = 19$ |
| | 3. 2 | $19 - 5 = 14$ |
| | 4. 2 | $19 - 14 = 5$ |

Answer Key: Lower Elementary Math Task Cards

5. 1

6. 5

7. 3

8. 3

9. 2

10. 0

11. 4

12. 5

-CH 2

1. 1

$13 + 9 = 22$

2. 4

$9 + 13 = 22$

3. 1

$22 - 13 = 9$

4. 4

$22 - 9 = 13$

5. 6

6. 2

7. 8

8. 1

9. 7

10. 1

11. 3

12. 4

-CH 3

1. 2

$15 + 8 = 23$

2. 0

$8 + 15 = 23$

3. 5

$23 - 8 = 15$

4. 8

$23 - 15 = 8$

Answer Key: Lower Elementary Math Task Cards

5. 5

6. 4

7. 1

8. 3

9. 3

10. 2

11. 6

12. 1

-CH 4

1. 9

$12 + 4 = 16$

2. 8

$4 + 12 = 16$

3. 9

$16 - 4 = 12$

4. 9

$16 - 12 = 4$

5. 9

6. 7

7. 8

8. 8

9. 9

10. 7

11. 7

12. 11

-CH 5

1. 7

$11 + 5 = 16$

2. 5

$5 + 11 = 16$

3. 7

$16 - 5 = 11$

4. 7

$16 - 11 = 5$

5. 6

6. 8

7. 8

8. 9

9. 9

10. 6

11. 8

12. 8

-CH 6

1. 4

$17 + 8 = 25$

2. 7

$8 + 17 = 25$

3. 6

$25 - 8 = 17$

4. 4

$25 - 17 = 8$

5. 5

6. 7

7. 9

8. 6

9. 7

10. 6

11. 6

12. 5

-CH 7

1. 7

$13 + 6 = 19$

2. 9

$6 + 13 = 19$

3. 8

$19 - 6 = 13$

4. 8

$19 - 13 = 6$

5. 9

6. 3

7. 8

8. 7

9. 5

10. 9

11. 8

12. 9

-CH 8

1. $17-6=11$ $12 + 5 = 17$

2. $12-5=7$ $5 + 12 = 17$

3. $15-4=11$ $17 - 5 = 12$

4. $16-8=8$ $17 - 12 = 5$

5. $11-4=7$

6. $18-9=9$

7. $13-6=7$

8. $14-8=6$

9. $17-8=9$

10. $12-6=6$

11. $15-4=11$

12. $14-9=5$

-CH 9

Create as described in the
instructions

$15 + 6 = 21$

$5 + 15 = 21$

$21 - 6 = 15$

$21 - 15 = 6$

Answer Key: Lower Elementary Math Task Cards

| | | |
|--------|---|--|
| -CH 10 | Create as described in the instructions | $11 + 7 = 18$ $7 + 11 = 18$ $18 - 7 = 11$ $18 - 11 = 7$ |
| -CH 11 | Create as described in the instructions | $12 + 3 = 15$ $3 + 12 = 15$ $15 - 3 = 12$ $15 - 12 = 3$ |
| -CH 12 | Create as described in the instructions | $16 + 7 = 23$ $7 + 16 = 23$ $23 - 7 = 16$ $23 - 16 = 7$ |

Multiplication Bead Board

| | | |
|-------|--------|---|
| xBB 1 | 1. 50 | 5 |
| | 2. 12 | |
| | 3. 14 | |
| | 4. 24 | |
| | 5. 32 | |
| | 6. 9 | |
| | 7. 21 | |
| | 8. 18 | |
| | 9. 6 | |
| | 10. 15 | |
| xBB 2 | 1. 12 | 8 |

Answer Key: Lower Elementary Math Task Cards

2. 40

3. 4

4. 21

5. 27

6. 28

7. 30

8. 27

9. 21

10. 36

xBB3

1. 20

9

2. 35

3. 16

4. 12

5. 48

6. 45

7. 35

8. 8

9. 36

10. 32

xBB 4

1. 54

8

2. 10

3. 24

4. 12

5. 8

6. 25

7. 18

8. 15

9. 32

10. 5

Division Bead Board

DBB 1

1. 3

10

2. 3

3. 3

4. 3

5. 5

6. 5

7. 3

8. 8

9. 3

10. 8

DBB 2

1. 9

10

2. 5

3. 7

4. 7

5. 4

6. 7

7. 4

8. 4

Answer Key: Lower Elementary Math Task Cards

| | | |
|-------|-------|----|
| | 9. 2 | |
| | 10. 8 | |
| DBB 3 | 1. 9 | 21 |
| | 2. 5 | |
| | 3. 9 | |
| | 4. 8 | |
| | 5. 4 | |
| | 6. 3 | |
| | 7. 6 | |
| | 8. 5 | |
| | 9. 9 | |
| | 10. 8 | |
| DBB 4 | 1. 7 | 25 |
| | 2. 5 | |
| | 3. 5 | |
| | 4. 6 | |
| | 5. 2 | |
| | 6. 2 | |
| | 7. 7 | |
| | 8. 3 | |
| | 9. 5 | |
| | 10. 9 | |

Missing Addends

MA 1

1. 7

1. 24

2. 4

2. Strawberries

3. 4

3. 5

4. 7

5. 2

6. 9

7. 9

8. 7

MA 2

1. 7

1. 18

2. 8

2. Snake

3. 9

3. 3

4. 6

5. 8

6. 6

7. 6

8. 6

MA 3

1. 7

1. 10

2. 9

2. Fiction

3. 5

3. Space and Mystery

4. 7

5. 5

6. 4

7. 7

Answer Key: Lower Elementary Math Task Cards

| | | | |
|------|----|---|------------------------|
| | 8. | 4 | |
| MA 4 | 1. | 8 | 1. \$1.08 |
| | 2. | 9 | 2. Dimes and quarters |
| | 3. | 9 | 3. Penny and nickel |
| | 4. | 6 | |
| | 5. | 9 | |
| | 6. | 5 | |
| | 7. | 7 | |
| | 8. | 5 | |
| MA 5 | 1. | 8 | 1. 11 |
| | 2. | 5 | 2. Soccer |
| | 3. | 4 | 3. Soccer and Football |
| | 4. | 2 | |
| | 5. | 5 | |
| | 6. | 4 | |
| | 7. | 5 | |
| | 8. | 8 | |
| MA 6 | 1. | 8 | 1. 19 |
| | 2. | 3 | 2. Equal |
| | 3. | 9 | 3. 6 |
| | 4. | 2 | |
| | 5. | 3 | |
| | 6. | 6 | |
| | 7. | 4 | |

8. 5

Several Addends

SA 1

1. 8

9

2. 9

3. 9

4. 9

5. 8

6. 10

7. 9

8. 9

9. 9

10. 10

SA 2

1. 14

13

2. 15

3. 15

4. 16

5. 17

6. 16

7. 17

8. 20

9. 18

10. 17

SA 3

1. 15

4

2. 22

Answer Key: Lower Elementary Math Task Cards

3. 15

4. 18

5. 15

6. 17

7. 21

8. 19

9. 15

10. 20

SA 4

1. 20

10

2. 13

3. 19

4. 18

5. 18

6. 18

7. 21

8. 20

9. 18

10. 18

SA 5

1. 15

7

2. 14

3. 16

4. 18

5. 17

Answer Key: Lower Elementary Math Task Cards

| | | |
|------|--------|---|
| | 6. 18 | |
| | 7. 11 | |
| | 8. 13 | |
| | 9. 10 | |
| | 10. 12 | |
| SA 6 | 1. 19 | 8 |
| | 2. 13 | |
| | 3. 19 | |
| | 4. 15 | |
| | 5. 15 | |
| | 6. 19 | |
| | 7. 14 | |
| | 8. 19 | |
| | 9. 11 | |
| | 10. 15 | |

Bead Bar Layout

| | | |
|-------|--|--|
| BBL 1 | Teacher will look at construction | $8+5=13$ $5+8=13$ $13-8=5$ $13-5=8$ |
| BBL 2 | Teacher will look at construction (Construction starts with $6 \times 1 \dots 6 \times 10$) | Answers will vary |
| BBL 3 | Teacher will look at construction (Construction starts with $4 \times 1 \dots 4 \times 10$) | Answers will vary |

Answer Key: Lower Elementary Math Task Cards

| | | |
|-----------------------------|--|-------------------------|
| BBL 4 | Teacher will look at construction (Construction starts with $7 \times 1 \dots 7 \times 10$) | Answers will vary |
| BBL 5 | Teacher will look at construction (Construction starts with $3 \times 1 \dots 3 \times 10$) | Answers will Vary |
| BBL 6 | Teacher will look at construction (Construction starts with $8 \times 1 \dots 8 \times 10$) | Answers will vary |
| BBL 7 | Teacher will look at construction (Construction starts with $2 \times 1 \dots 2 \times 10$) | Answers will vary |
| BBL 8 | Teacher will look at construction (Construction starts with $9 \times 1 \dots 9 \times 10$) | Answers will vary |
| BBL 9 | Teacher will look at construction (Construction starts with $1 \times 1 \dots 1 \times 10$) | Answers will vary |
| BBL 10 | Teacher will look at construction (Construction starts with $10 \times 1 \dots 10 \times 10$) | Answers will vary |
| <i>Factors of a Product</i> | | |
| FP 1 | Factors of 12: 1; 2; 3; 4; 6; 12 | 1. 11 |
| | Factors of 36: 1; 2; 3; 4; 6; 9; 12; 36 | 2. Red |
| | | 3. Green brown and blue |
| FP 2 | Factors of 18: 1, 2, 3, 6, 9, 18 | 24 |
| | Factors of 32: 1, 2, 4, 8, 16, 32 | |
| FP 3 | Factors of 30: 1, 2, 3, 5, 6, 10, 15, 30 | 11 |
| | Factors of 24: 1, 2, 3, 4, 6, 8, 12, | |

24

| | | |
|------|---|--|
| FP 4 | Factors of 16: 1, 2, 3, 8, 16 Factors of 40: 1, 2, 3, 4, 8, 10, 20, 40 | We add 5 to the input to get the output |
| FP 5 | Factors of 20: 1, 2, 4, 5, 10, 20 Factors of 54: 1, 2, 3, 6, 9, 18, 27, 54 | 1. Spiderman 2. Hulk 3. Batman, hulk, superman |
| FP 6 | 1. 28 2. 28 3. 32 4. 32 5. 24 6. 24 7. 54 8. 54 9. 20 10. 20 11. 14 12. 14 | 14 |
| FP 7 | 1. 18 2. 18 3. 18 4. 18 5. 12 | 2 hours |

6. 12

7. 12

8. 12

9. 24

10. 24

11. 24

12. 24

FP 8

1. 36

2. 36

3. 54

4. 54

5. 72

6. 72

7. 63

8. 63

9. 35

10. 35

11. 42

12. 42

We subtract 9 from the input number to get the output number

FP 9

1. 48

2. 48

3. 28

4. 28

5. 27

1. 24

2. Rodeo and theater

3. 5 children

4. 8

6. 27

7. 15

8. 15

9. 14

10. 14

11. 16

12. 16

FP 10

1. 45

24 feet

2. 45

3. 36

4. 36

5. 6

6. 6

7. 30

8. 30

9. 8

10. 8

11. 7

12. 7

FP 11

1. 64

5

2. 36

3. 49

4. 16

5. 81

6. 9

7. 25

8. 1

9. 100

10. 4

FP 12

Answers will vary. Have teacher view your construction

The input number is multiplied by 3 to get the output number

FP 13

Answers will vary. Have teacher view your construction

36

Multiplication Chart

xCH 1

1. 185

70 pairs

2. 8

3. 7

4. 8

5. 8

6. 12

7. 15

8. 6

9. 5

10. 21

11. 30

12. 16

xCH 2

1. 20

4 – 3

2. 14

8 – 6

3. 63

4. 36

5. 49

6. 45

7. 72

8. 30

9. 40

10. 64

11. 48

12. 28

xCH5

1. 40

40 blocks

2. 63

3. 24

4. 36

5. 36

6. 40

7. 28

8. 72

9. 48

10. 45

11. 27

12. 56

xCH 6

1. 35

12 eggs; 60 eggs

2. 56

Answer Key: Lower Elementary Math Task Cards

3. 54

4. 35

5. 32

6. 45

7. 63

8. 32

9. 72

10. 48

11. 18

12. 28

xCH 7

1. 40

Pink: 20

2. 49

Yellow: 12

3. 48

Red: 8

4. 36

5. 63

6. 32

7. 21

8. 72

9. 56

10. 45

11. 36

12. 14

xCH 8

1. 27

104 pizzas total;

2. 32

Pepperoni: 24

Answer Key: Lower Elementary Math Task Cards

- | | | |
|-----|----|--------------|
| 3. | 42 | Cheese: 32 |
| 4. | 72 | Mushroom: 16 |
| 5. | 45 | Olive: 20 |
| 6. | 81 | Sausage: 8 |
| 7. | 28 | Anchovy: 4 |
| 8. | 48 | |
| 9. | 40 | |
| 10. | 18 | |
| 11. | 24 | |
| 12. | 36 | |

xCH 9

- | | | |
|-----|----|-----------|
| 1. | 36 | Option 2 |
| 2. | 32 | Answer: 8 |
| 3. | 0 | |
| 4. | 27 | |
| 5. | 25 | |
| 6. | 56 | |
| 7. | 24 | |
| 8. | 9 | |
| 9. | 16 | |
| 10. | 18 | |
| 11. | 10 | |
| 12. | 8 | |

xCH 10

- | | | |
|----|----|-----------|
| 1. | 14 | Option 1 |
| 2. | 36 | Answer 31 |
-

3. 0

4. 4

5. 45

6. 12

7. 15

8. 21

9. 8

10. 18

11. 20

12. 16

xCH 11

1. 24

Option 2

2. 48

Answer: 72

3. 14

4. 15

5. 14

6. 24

7. 10

8. 0

9. 12

10. 35

11. 8

12. 40

xCH 12

1. 9

Option 2

2. 8

Answer 22

3. 63

4. 20

5. 16

6. 25

7. 64

8. 0

9. 21

10. 18

11. 9

12. 0

xCH 13

1. 27

Option 3

2. 32

Answer 29

3. 63

4. 35

5. 18

6. 32

7. 54

8. 49

9. 48

10. 36

11. 72

12. 36

xCH 14

1. 81

Option 4

2. 16

Answer 40

3. 28

4. 30

5. 72

6. 25

7. 14

8. 42

9. 64

10. 54

11. 36

12. 24

xCH 15

1. 54

Option 2

2. 35

Answer: 28

3. 36

4. 54

5. 24

6. 72

7. 32

8. 64

9. 56

10. 49

11. 28

12. 27

xCH 16

1. 25

Option 2

2. 56

Answer 24

3. 28

4. 42

5. 32

6. 40

7. 16

8. 42

9. 48

10. 54

11. 35

12. 27

| | | |
|--------|-------------------|------------------------------------|
| xCH 17 | Answers will vary | Show your teacher the construction |
| xCH 18 | Answers will vary | 85 |
| xCH 19 | Answers will vary | Answers will vary |
| xCH 20 | Answers will vary | 64, 81, 100, 121 |

Missing Factors

| | | |
|------|------|------------|
| MF 1 | 1. 5 | 1. \$10 |
| | 2. 3 | 2. \$19.80 |
| | 3. 8 | 3. 525 lb |
| | 4. 8 | |
| | 5. 4 | |
| | 6. 6 | |
| | 7. 2 | |
| | 8. 8 | |
| MF 2 | 1. 4 | 98 floors |

Answer Key: Lower Elementary Math Task Cards

2. 3

3. 4

4. 5

5. 6

6. 9

7. 4

8. 4

MF 3

1. 2

31 lb

2. 6

3. 9

4. 8

5. 7

6. 3

7. 6

8. 6

MF 4

1. 5

2 times

2. 7

3. 2

4. 9

5. 7

6. 3

7. 4

8. 3

MF 5

1. 9

6 times

2. 8

3. 9

4. 9

5. 6

6. 8

7. 7

8. 5

MF 6

1. 9

30 miles

2. 3

3. 8

4. 8

5. 7

6. 7

7. 3

8. 3

Bank Game III

÷CH 1

1. 6

7 emails

2. 7

3. 6

4. 6

5. 9

6. 8

7. 6

8. 2

9. 3

10. 5

11. 8

12. 4

÷CH 2

1. 7

25 fish

2. 4

3. 7

4. 5

5. 4

6. 4

7. 8

8. 7

9. 7

10. 3

11. 5

12. 7

÷CH 3

1. 9

12 pies

2. 9

3. 5

4. 4

5. 4

6. 5

7. 7

8. 7

9. 4

10. 2

11. 6

12. 9

÷CH 4

1. 5

3 pennies

2. 4

3. 9

4. 3

5. 6

6. 8

7. 6

8. 2

9. 5

10. 7

11. 5

12. 9

÷CH 5

1. 2

¢5

2. 5

3. 7

4. 9

5. 4

6. 6

7. 9

8. 5

| | | |
|--------|-------------------|--------------|
| | 9. 6 | |
| | 10. 7 | |
| | 11. 8 | |
| | 12. 7 | |
| ÷CH 6 | 1. 8 | 20 pictures |
| | 2. 9 | |
| | 3. 3 | |
| | 4. 7 | |
| | 5. 18 | |
| | 6. 0 | |
| | 7. 36 | |
| | 8. 0 | |
| | 9. 4 | |
| | 10. 5 | |
| | 11. 6 | |
| | 12. 2 | |
| ÷CH 7 | Answers will vary | 6 people |
| ÷CH 8 | Answers will vary | One of each |
| ÷CH 9 | Answers will vary | 2.5 pages |
| ÷CH 10 | Answers will vary | 7 touchdowns |
| ÷CH 11 | 1. 15 | 7:30 a.m |
| | 2. 3 | |
| | 3. 5 | |
| | 4. 6 | |

Answer Key: Lower Elementary Math Task Cards

5. 49

6. 4

7. 27

8. 5

÷CH 12

1. 2

6:15

2. 36

3. 8

4. 14

5. 7

6. 27

7. 8

8. 72

÷CH 13

1. 40

10:55

2. 5

3. 32

4. 4

5. 49

6. 6

7. 27

8. 9

÷CH 14

1. 4

4:00 pm

2. 36

3. 6

4. 28

5. 2

6. 32

7. 5

8. 0

Level 2 Bead Games

LV2 1

Based on Construction. Show your work to the teacher

Red with black

Red with green

Blue with black

Blue with green

Green with black

Green with green

LV2 2

Based on Construction. Show your work to the teacher

1+5+6

2+4+6

3+3+6

2+5+5

1+6+5

3+5+4

4+4+4

LV2 3

Based on Construction. Show your work to the teacher

Six combinations are possible:

R B G O

R B O G

R G B O

R G O B

R O B G

| | | |
|-------|--|--|
| | | R O G B |
| LV2 4 | Based on Construction. Show your work to the teacher | Eight different combinations are possible: Purple Striped Blue striped Black striped Red striped Purple polka Blue polka Black polka Red polka |
| LV2 5 | Based on Construction. Show your work to the teacher | 12 combination Each transportation can take them to 3 locations so if you have 4 means of transportation with three locations in each the answer becomes $4 \times 3 = 12$ |
| LV2 6 | Based on Construction. Show your work to the teacher | 12 combinations: There are 3 different shirt colors and 4 different pants. If each color can be paired up with 4 different types of pants the answer becomes $3 \times 4 = 12$ |
| LV2 7 | Based on Construction. Show your work to the teacher | Each stage is multiplied by 3. Keeping the pattern as is there will 90 cars that will pass in 1 hour and 30 minutes |
| LV2 8 | Based on Construction. Show your work to the teacher | There are two possibilities for the number of students. There could be 24 children or 48 children. The idea behind this is that the number of |

| | | |
|--------|--|--|
| | | children must be a multiple of the three types of teams. 24 is a multiple of 6, 8 and 2. The same is true for 48. Another way of looking at it to think of a number whose factors are 6, 8 and 2. |
| LV2 9 | Based on Construction. Show your work to the teacher | 1. 36 years old 2. 13 years |
| LV2 10 | Based on Construction. Show your work to the teacher | 24 light bulbs |
| LV2 11 | Based on Construction. Show your work to the teacher | 40 knives |
| LV2 12 | Based on Construction. Show your work to the teacher | Each octave will have 11 keys. If most music is played on the middle 4 that means $11 \times 4 = 44$ 44 keys |
| LV2 13 | Based on Construction. Show your work to the teacher | Going around the track twice gives the students half a mile. Therefore, in a week or a 5 days they have traveled 2.5 miles. To calculate the miles they have traveled in 4 weeks the equation becomes $2.5 \times 4 = 10$ miles. After four weeks of school they would have traveled 10 miles After 180 days they would have traveled 360 miles |
| LV2 14 | Based on Construction. Show your work to the teacher | 5 Mercury days |
| LV2 15 | Based on Construction. Show your work to the teacher | Joan has 4 pairs. Mary has $4 \times 2 = 8$ |

Answer Key: Lower Elementary Math Task Cards

| | | |
|--------|--|--|
| LV2 16 | Based on Construction. Show your work to the teacher | Sams brother is 8 years old Sam is $8-3=5$ |
| LV2 17 | Based on Construction. Show your work to the teacher | Marc has 3 pencils Bill has $3 + 2 = 5$ |
| LV2 18 | Based on Construction. Show your work to the teacher | John has 4 bites Susan has $4 \times 3 = 12$ |
| LV2 19 | Based on Construction. Show your work to the teacher | Sally has 4 people in her family Belle has $4 + 2 = 6$ people in her family |
| LV2 20 | Based on Construction. Show your work to the teacher | Beth has 5 lollipops in her sack She has $4 \times 5 = 20$ chocolates |

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