Scoring Magic Squares
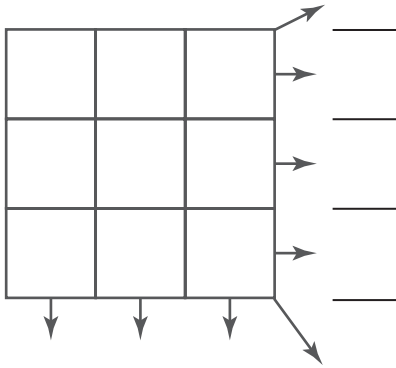
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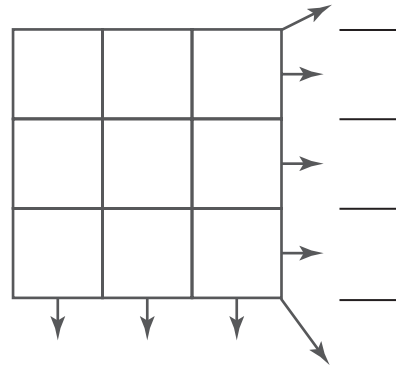
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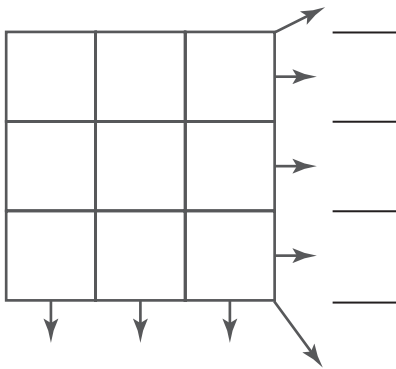
SCORE:

SCORE:

Marble Graph

MARBLE GRAPH

Number of Marbles in Box A

20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Number of Marbles in Box B
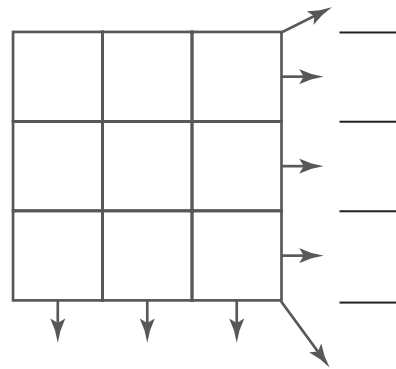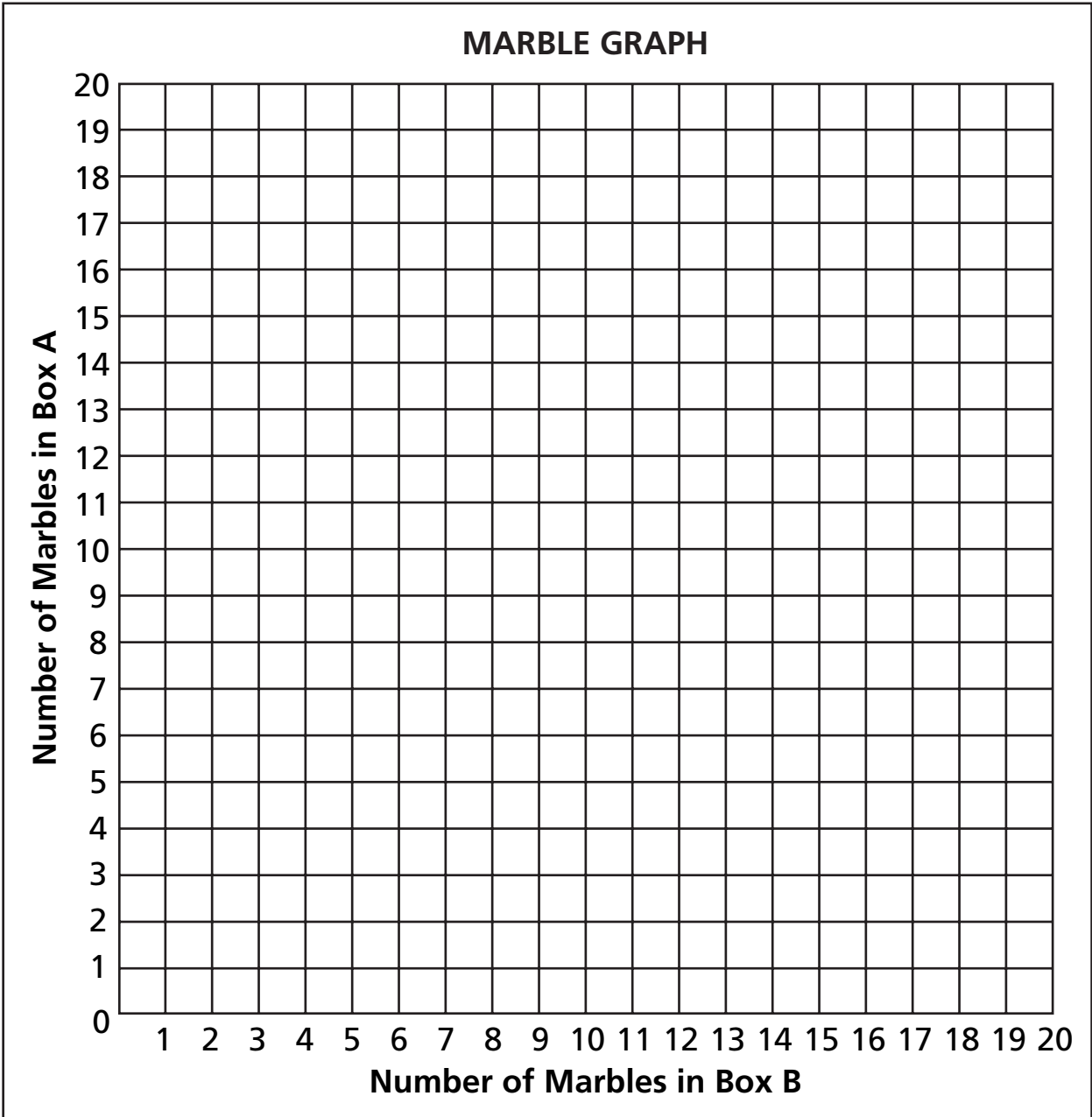
Spending Money

1 Michaela had 23¢. We don't know how much Michaela spent, but we know she spent more than 15¢.

A What is the most she could have spent? _____¢

B What is the least she could have spent? _____¢

C If she spent 23¢, then she had _____¢ left.
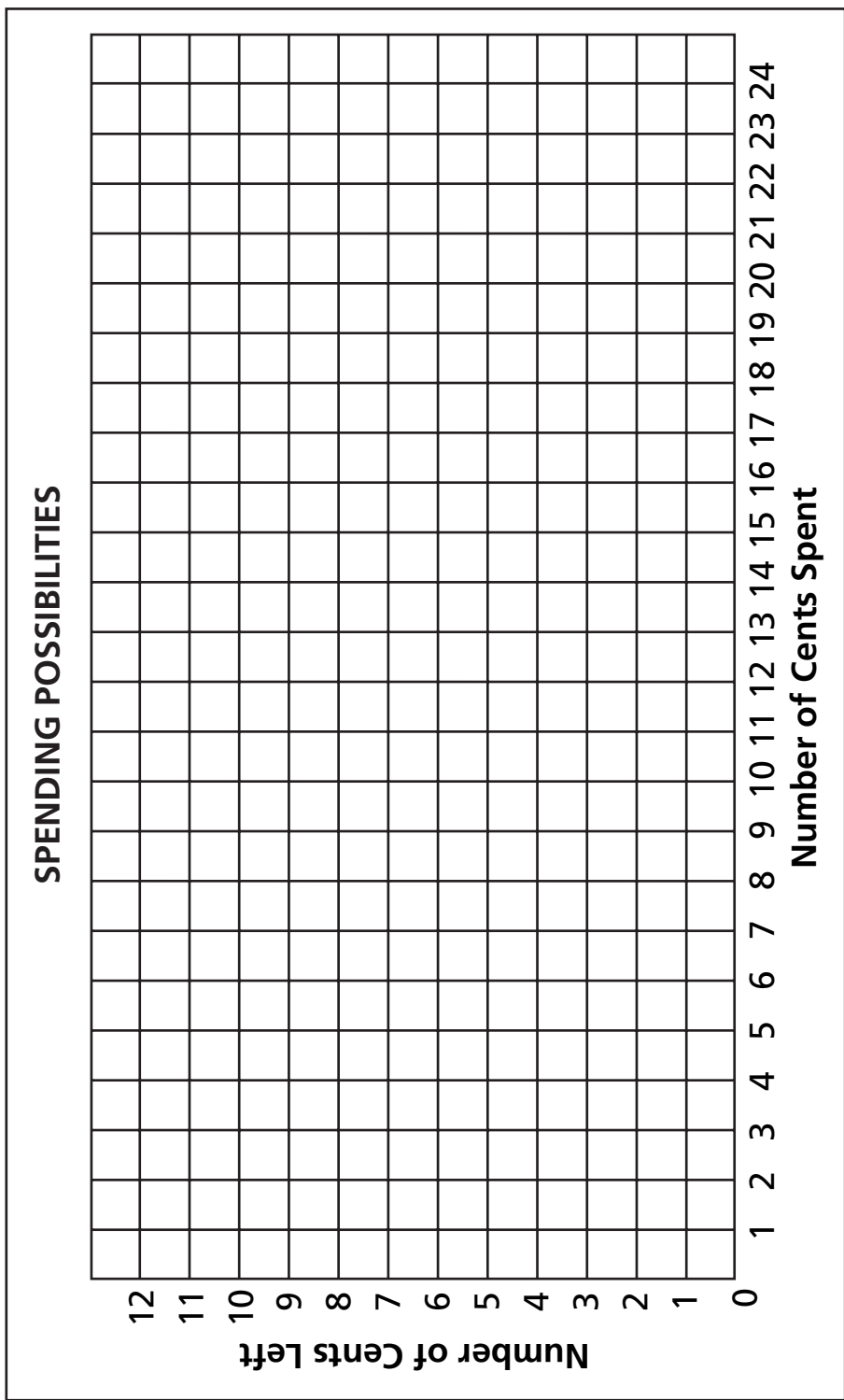
If she spent 22¢, then she had _____¢ left.

If she spent 21¢, then she had _____¢ left.

2 Use the table to list all of the possibilities. (Use your answers from Problem 1 to get started.)

If she spent ■¢ . . .	23	22	21	20						
. . . then she had ■¢ left.	0									

There are _____ different amounts that Michaela could have spent.

Spending Possibilities

SPENDING POSSIBILITIES

Number of Cents Left

12 11 10 9 8 7 6 5 4 3 2 1

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Number of Cents Spent

Money Possibilities

Use only these coins: (D) (N) (P)

1 You have two coins. Together, they are worth less than 25¢. Use the table to show all of the possibilities.

D	N	P	Value
0	0	2	2¢

2 You have 12¢. Use the table to show all the different coin combinations you could have.

D	N	P	Number of Coins

Coins

Creating Coin Problems

☐ + ☐ = ☐

☐ – ☐ = ☐
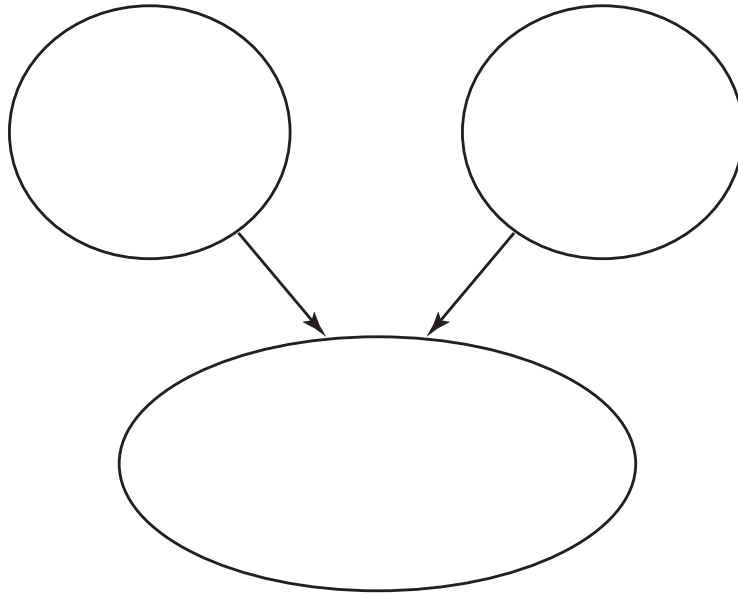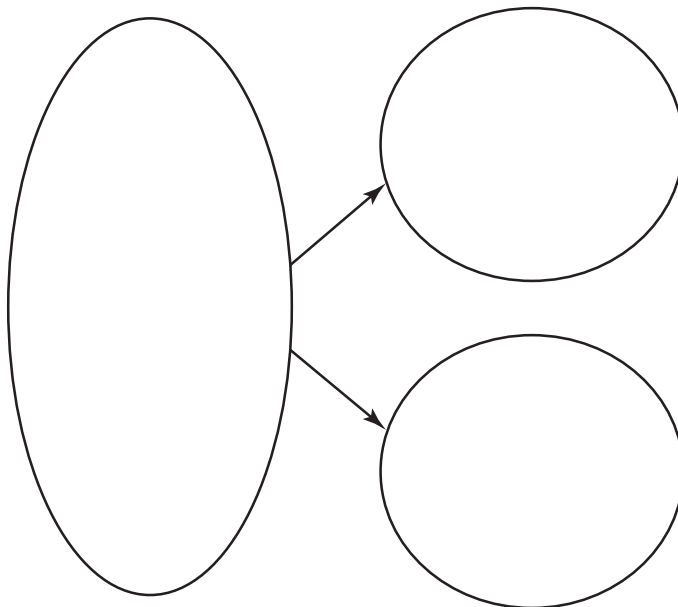
Least to Greatest Cards (Addition)

39 +39	59 +16	70 +37	38 +54
19 +45	25 + 6	14 +68	20 +33
56 +38	67 +35	49 +27	35 +27
18 +36	16 +17	48 +12	22 +18

Least to Greatest Cards (Subtraction)

59 −16	19 −13	37 −18	46 −29
56 −29	67 −39	107 − 19	47 −23
81 −34	27 −19	34 −25	96 − 7
60 −23	50 −32	81 −29	100 − 9