

Practice Second Exam 1

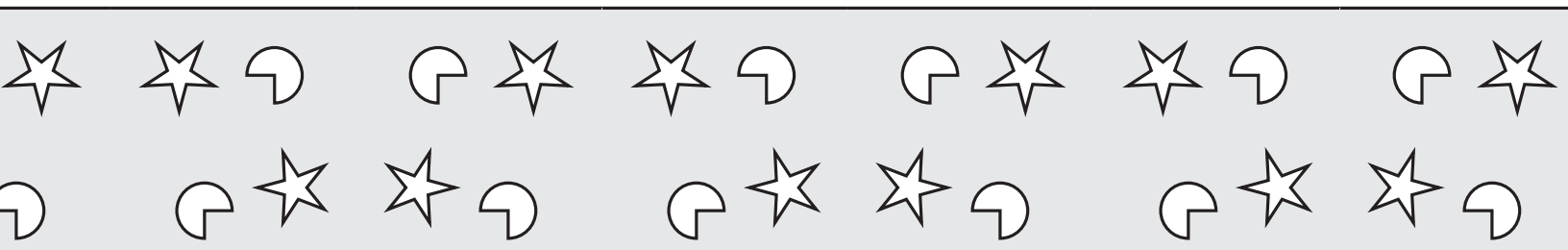
MATH V1010: Groups and Symmetry, Fall, 2003 (4, 6, 1, 7)

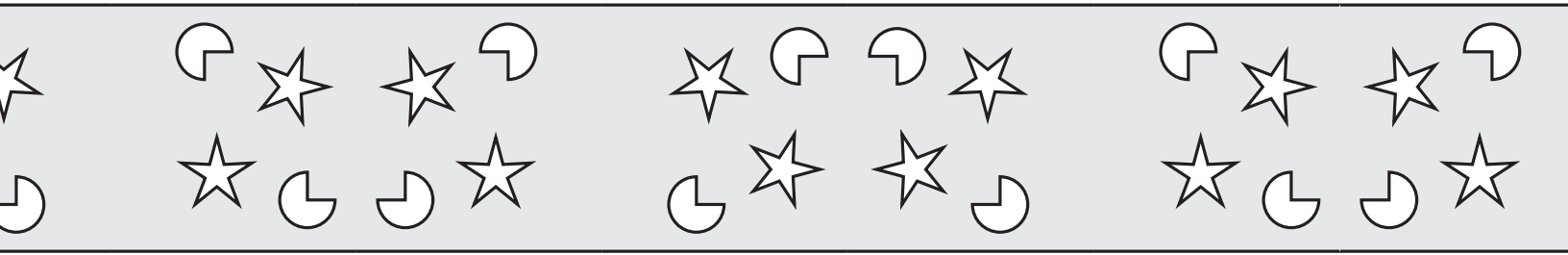
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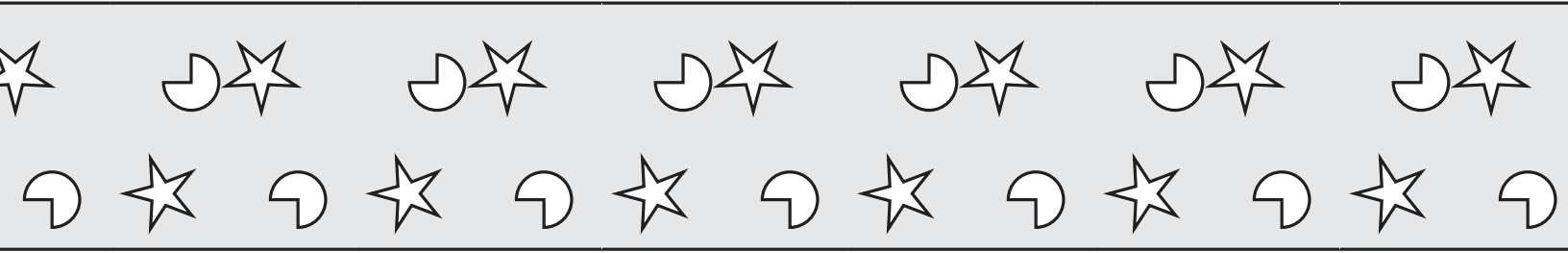
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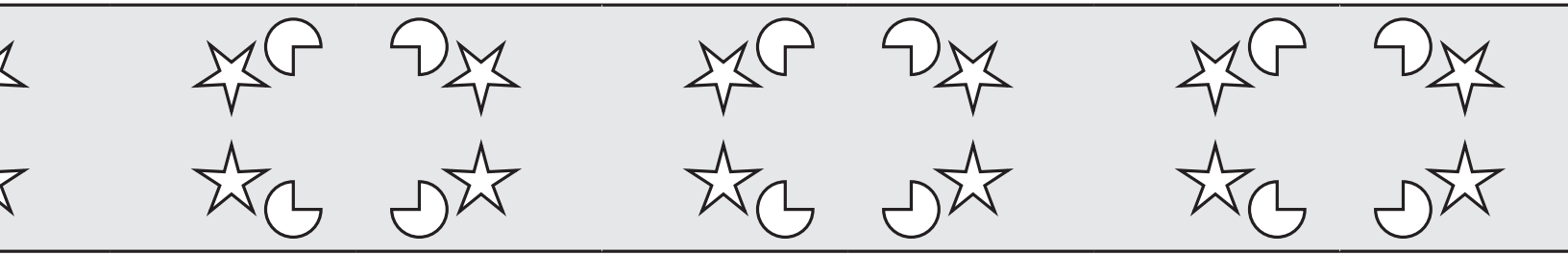
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For each strip pattern, find a fundamental domain. Find the symmetries of the pattern. Draw another strip pattern with the same symmetries, using just the letter R. Choose a set of generators for the group of symmetries. Draw enough of a Cayley diagram to show that these generators connect all copies of the fundamental domain.









Practice Second Exam 2

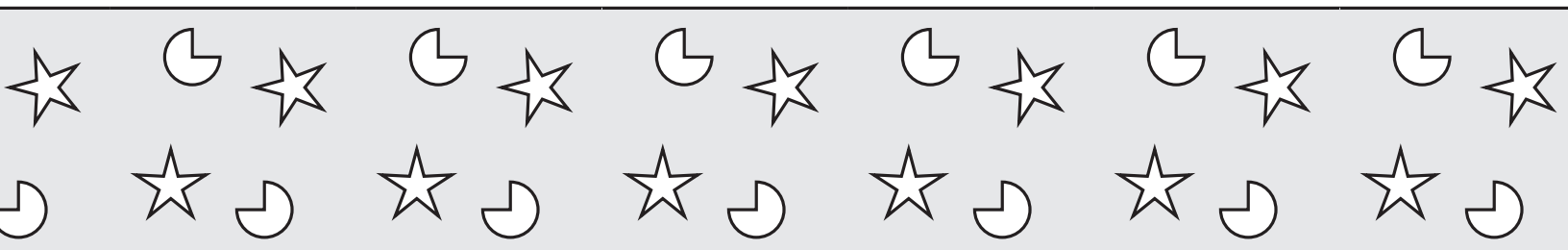
MATH V1010: Groups and Symmetry, Fall, 2003 (1, 4, 5, 2)

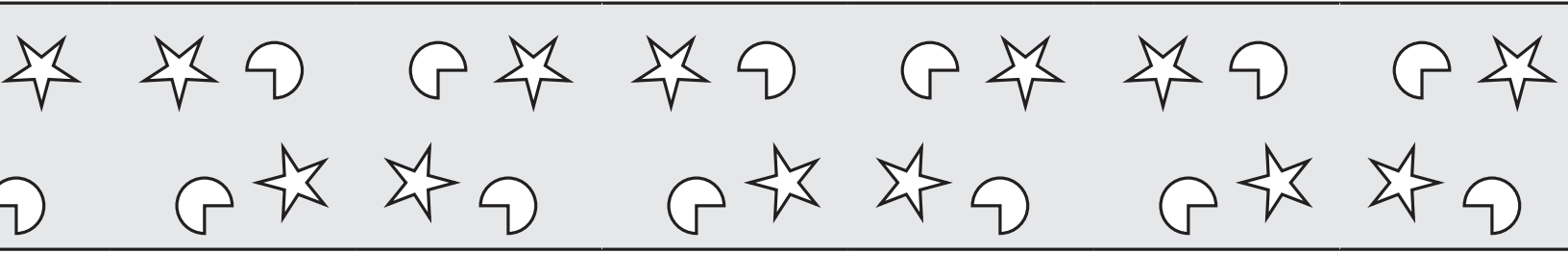
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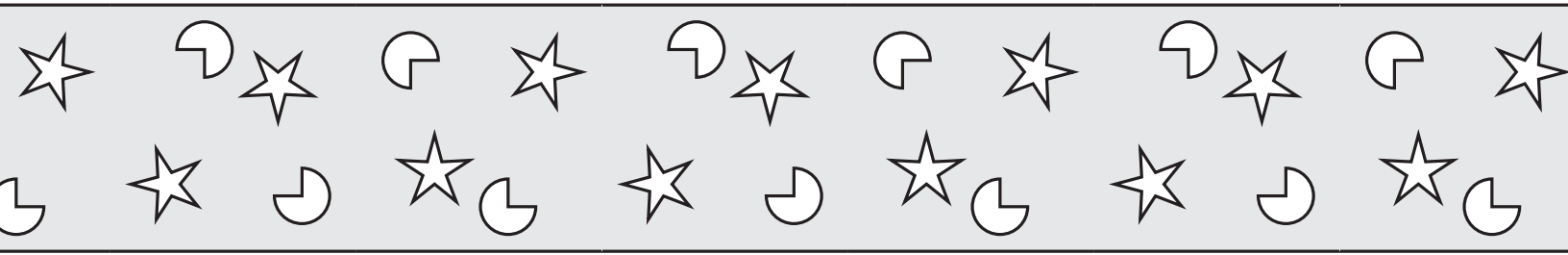
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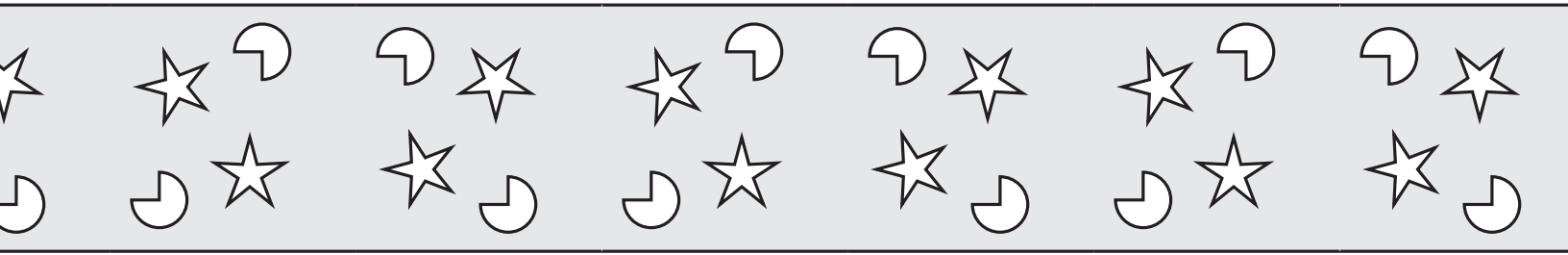
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Practice Second Exam 3

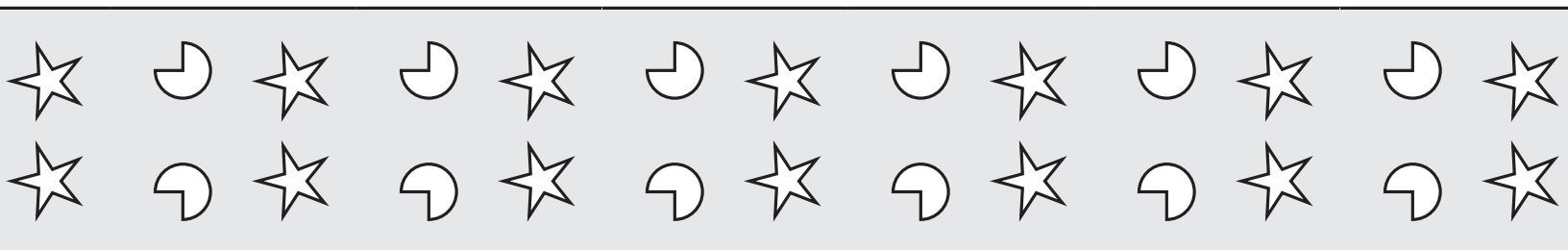
MATH V1010: Groups and Symmetry, Fall, 2003 (3, 4, 6, 1)

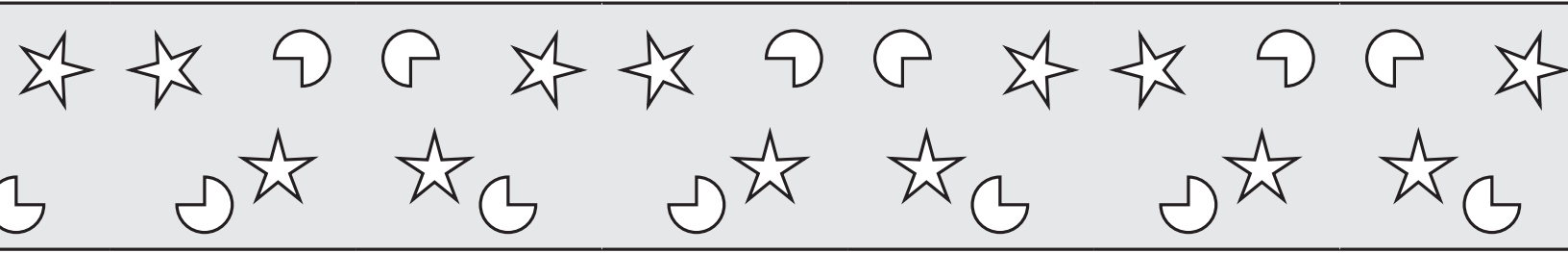
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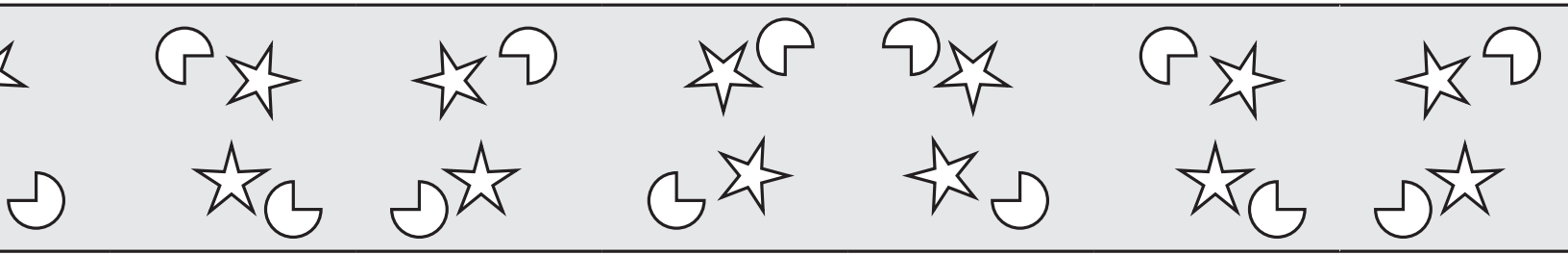
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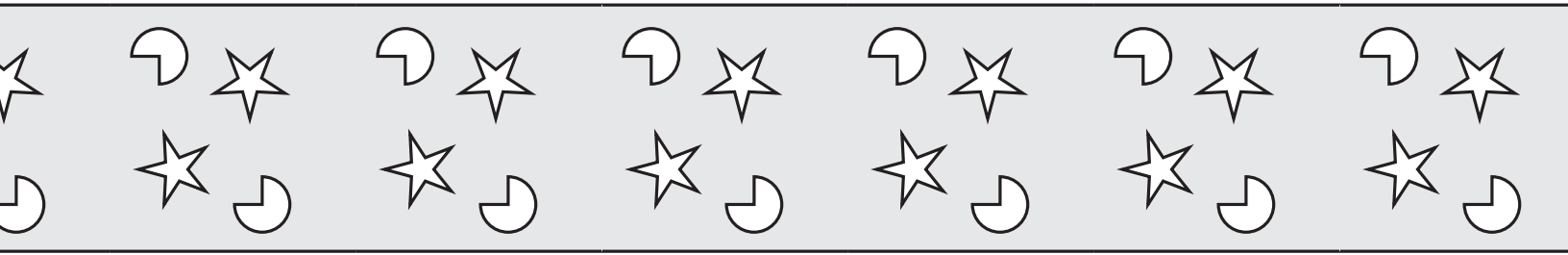
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Practice Second Exam 4

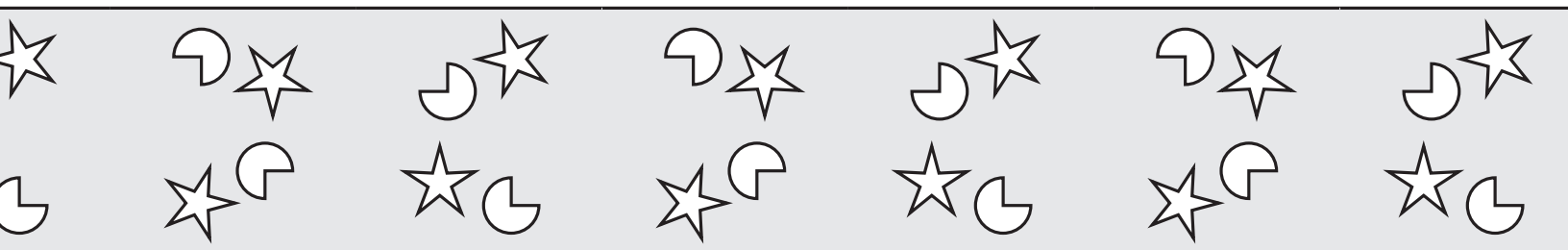
MATH V1010: Groups and Symmetry, Fall, 2003 (5, 1, 4, 2)

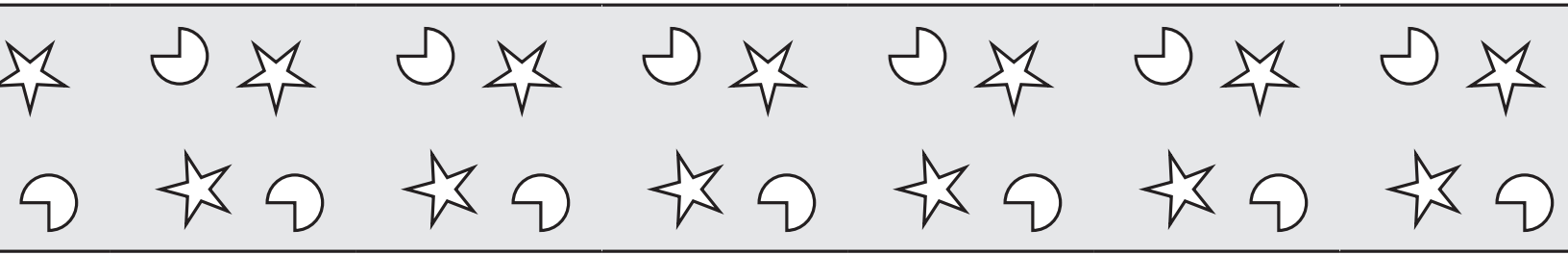
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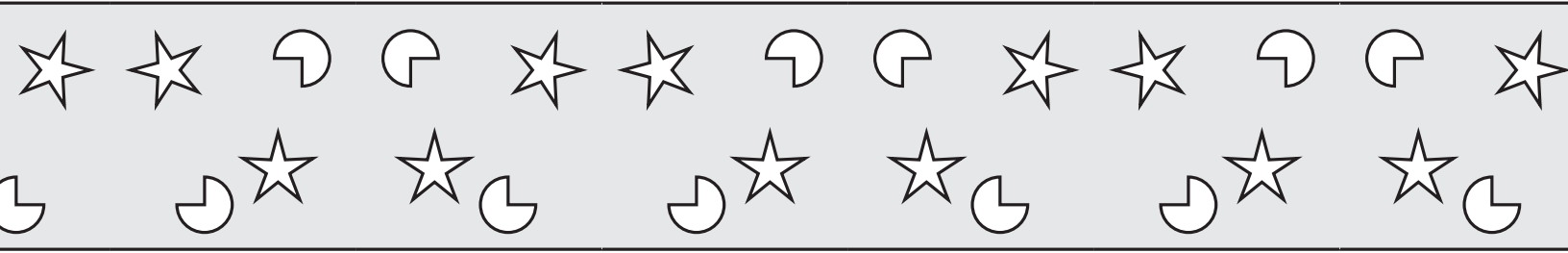
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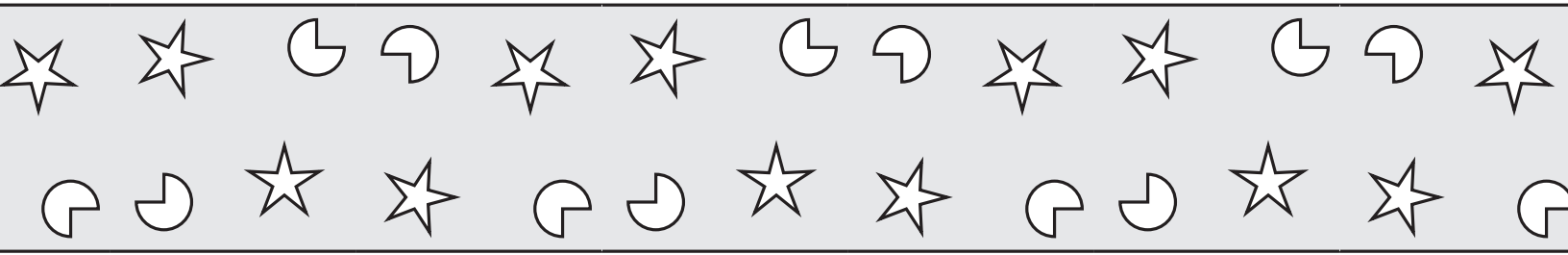
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Practice Second Exam 5

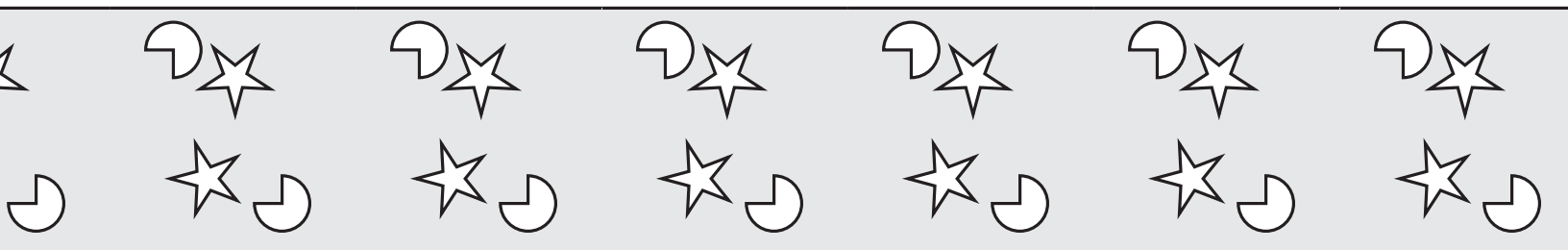
MATH V1010: Groups and Symmetry, Fall, 2003 (1, 7, 2, 5)

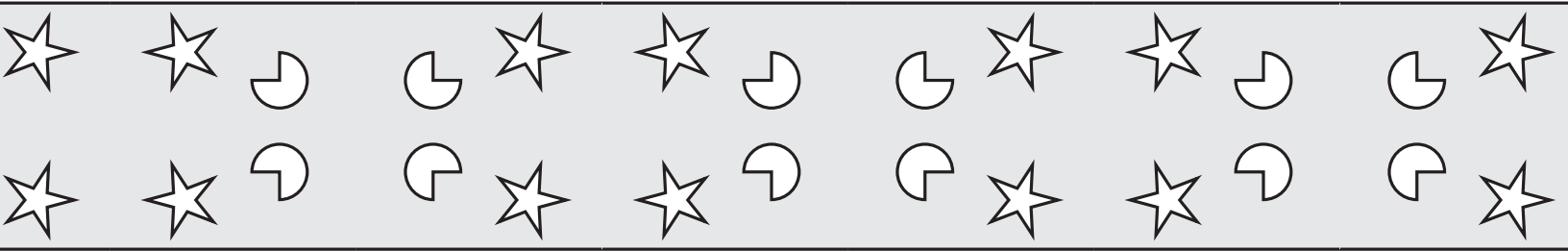
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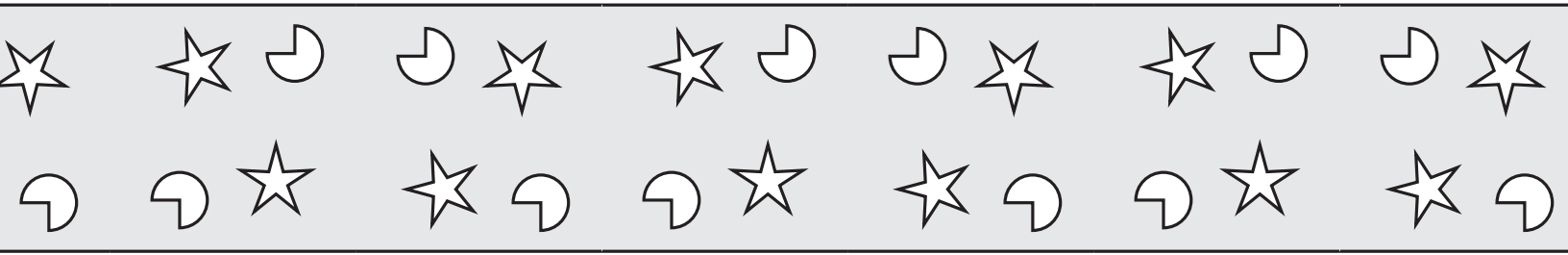
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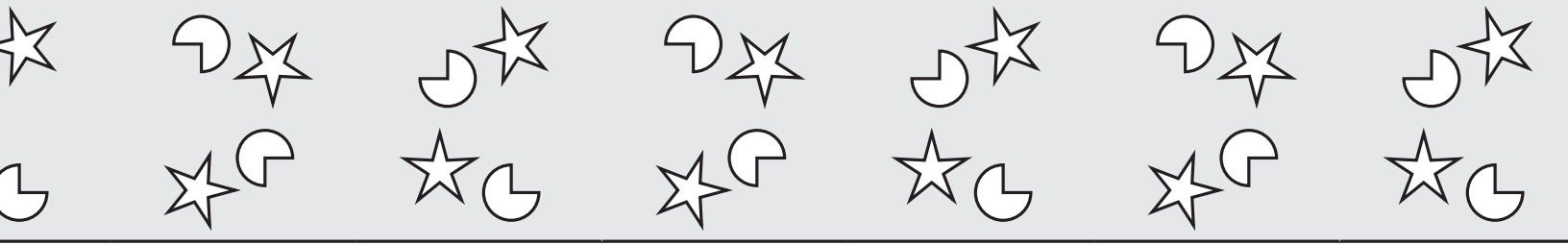
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Practice Second Exam 6

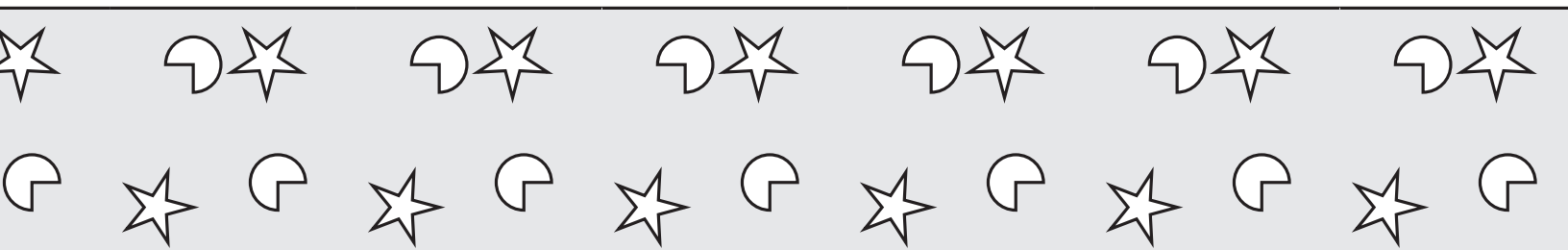
MATH V1010: Groups and Symmetry, Fall, 2003 (1, 4, 7, 2)

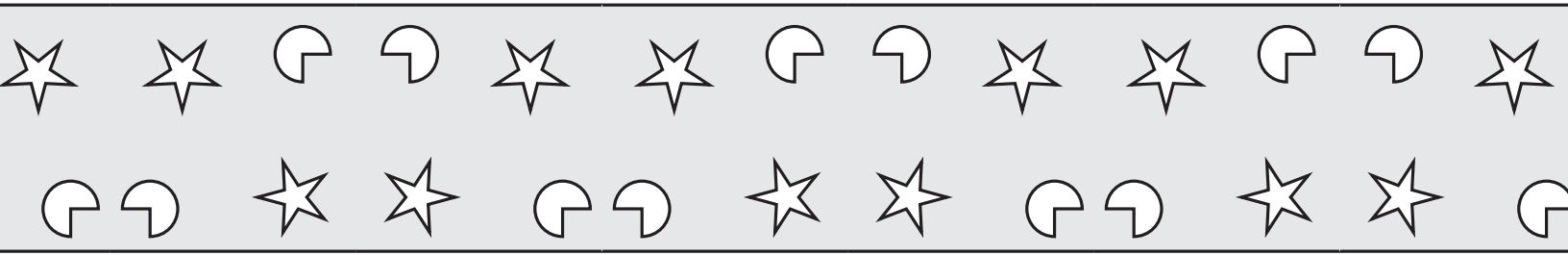
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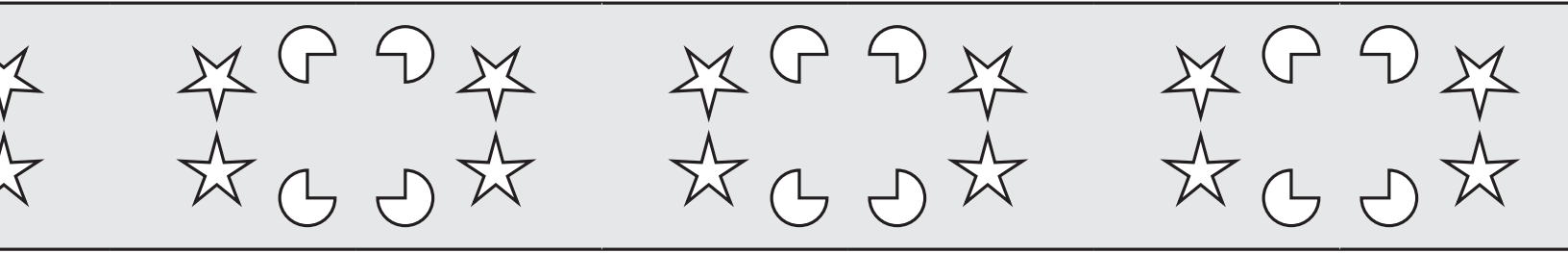
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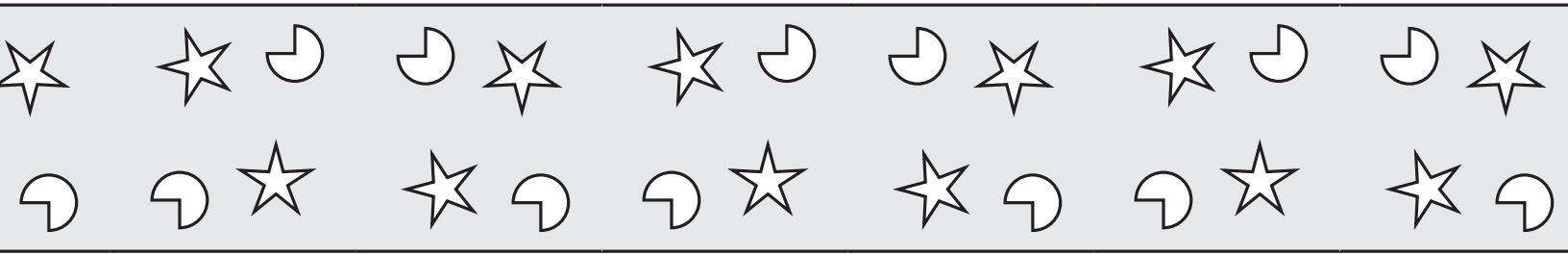
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Practice Second Exam 7

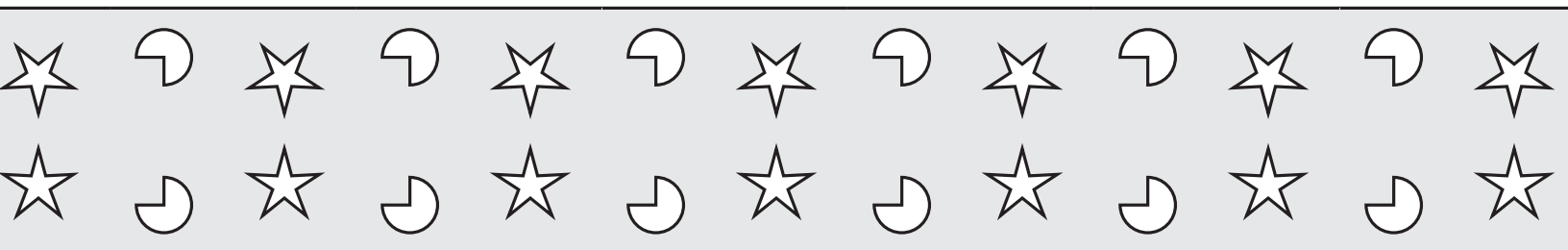
MATH V1010: Groups and Symmetry, Fall, 2003 (3, 4, 1, 2)

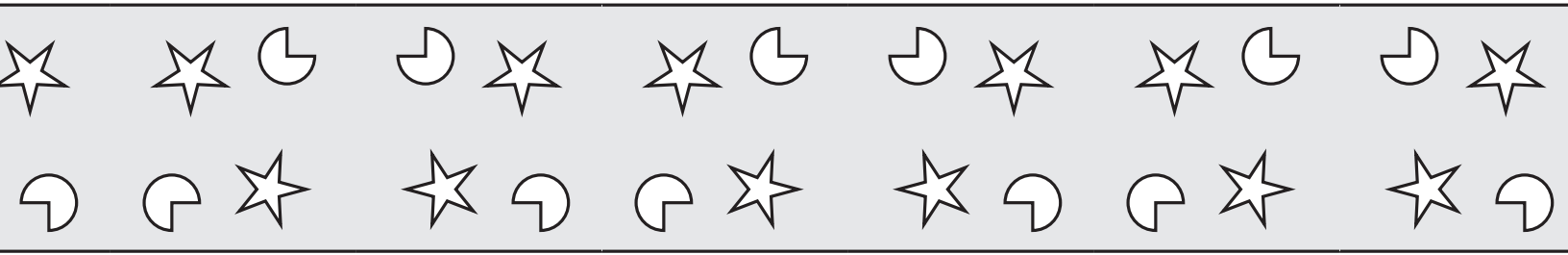
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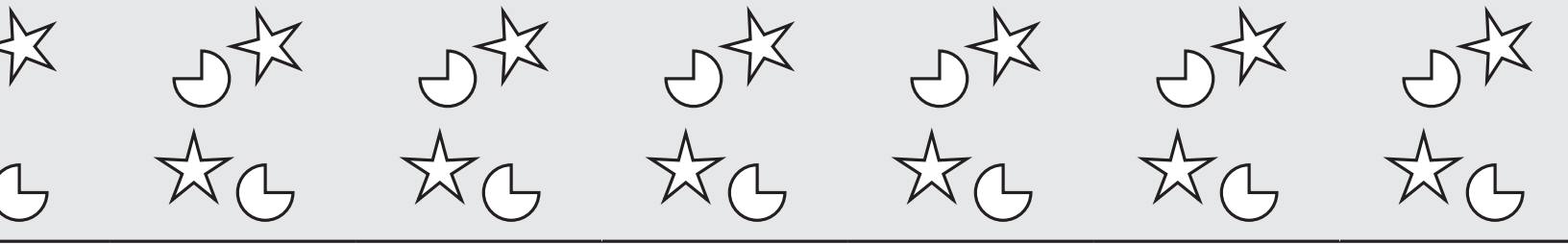
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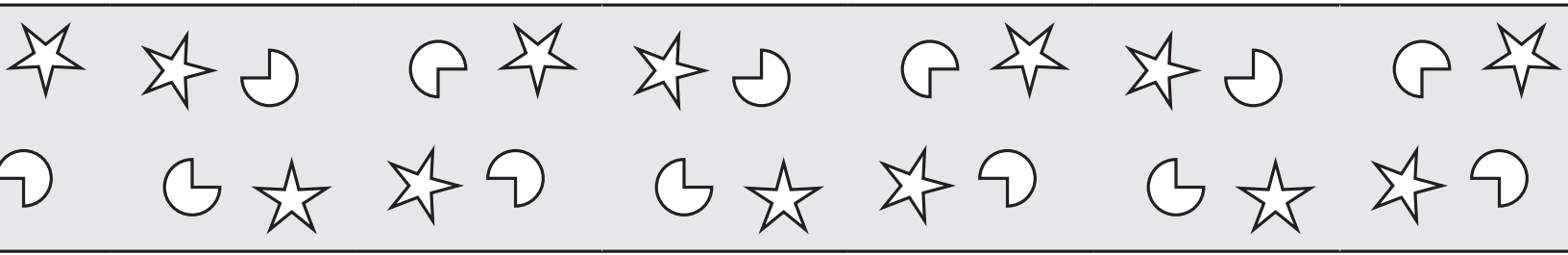
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Practice Second Exam 8

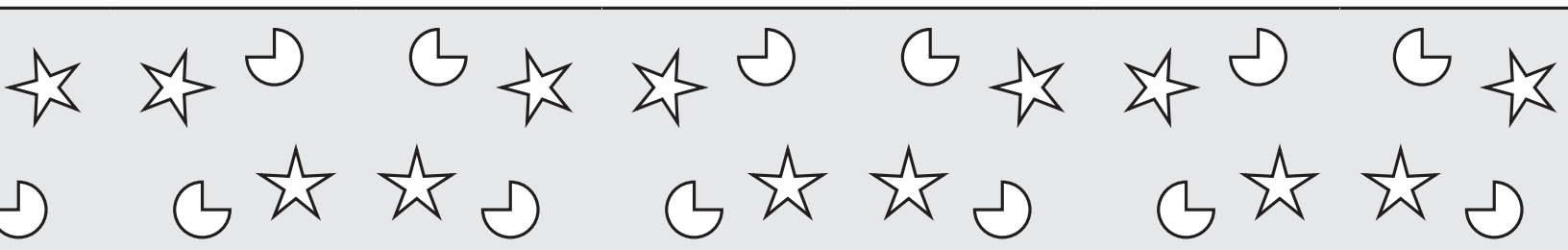
MATH V1010: Groups and Symmetry, Fall, 2003 (4, 2, 5, 1)

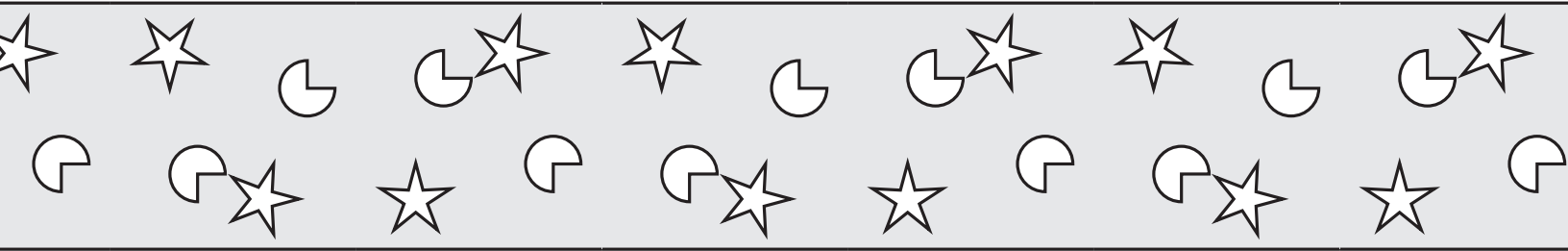
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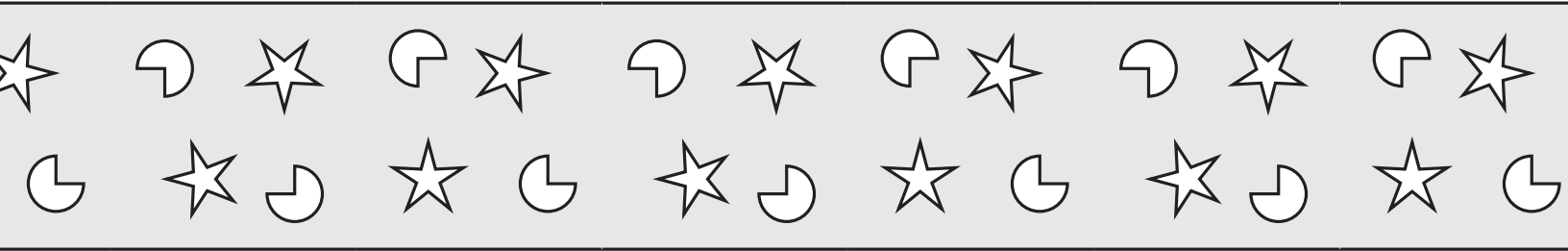
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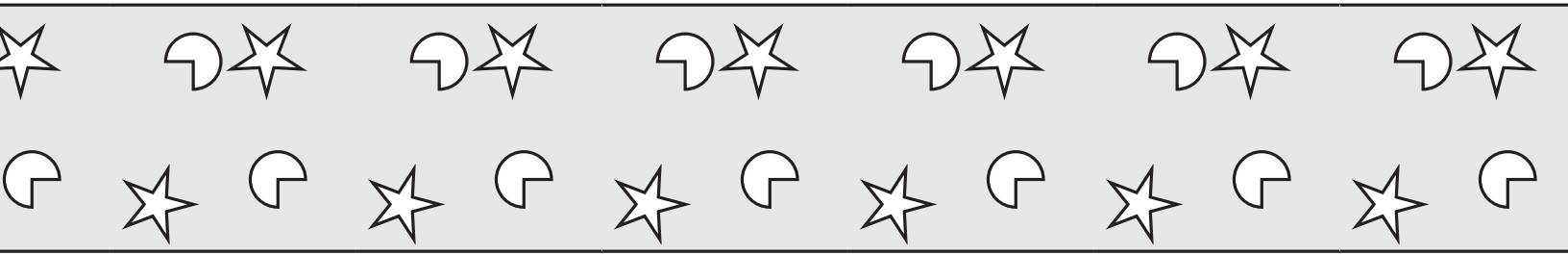
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Practice Second Exam 9

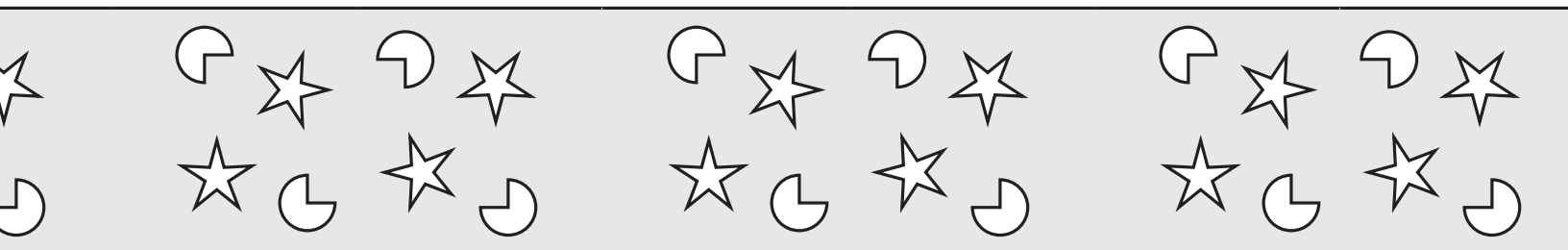
MATH V1010: Groups and Symmetry, Fall, 2003 (5, 6, 2, 3)

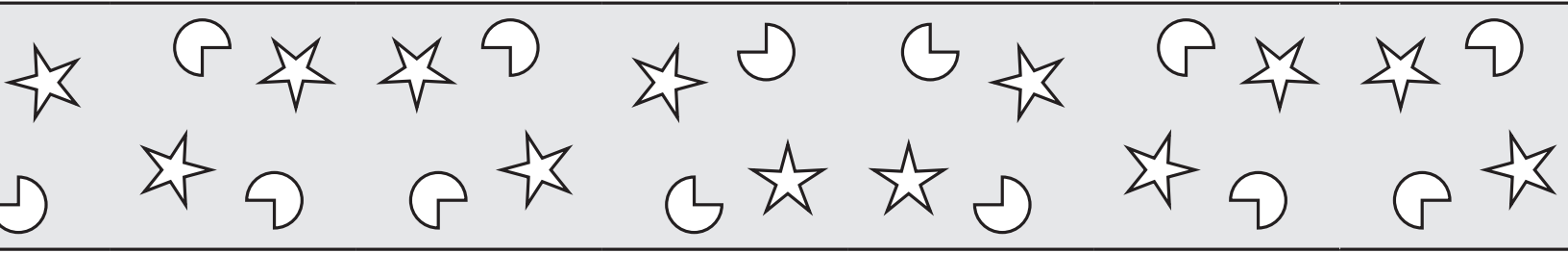
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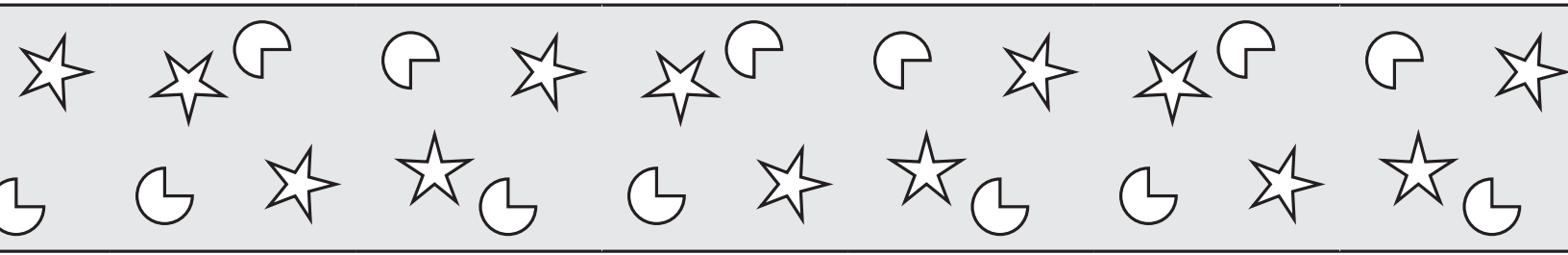
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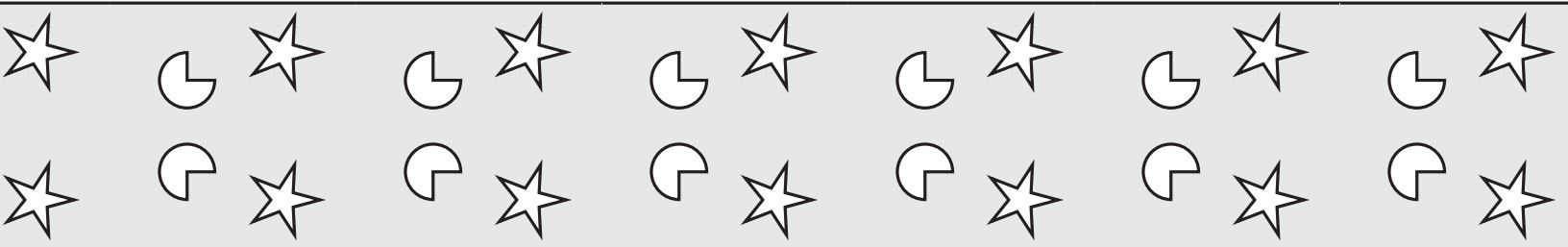
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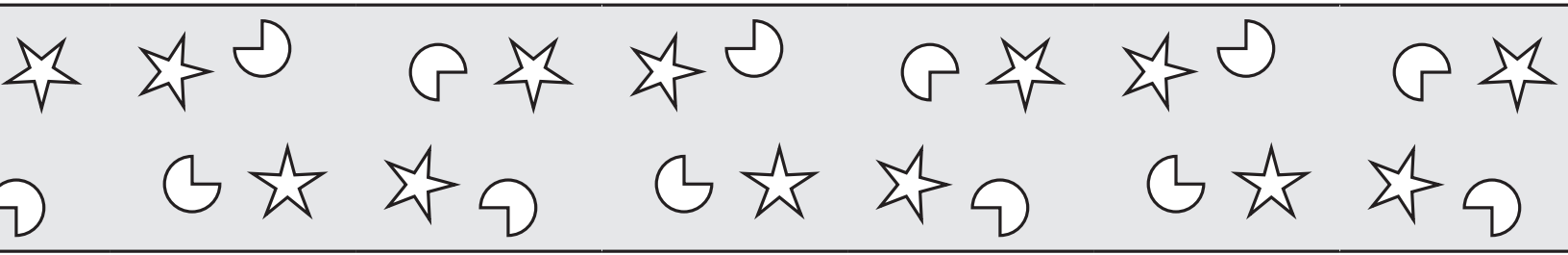
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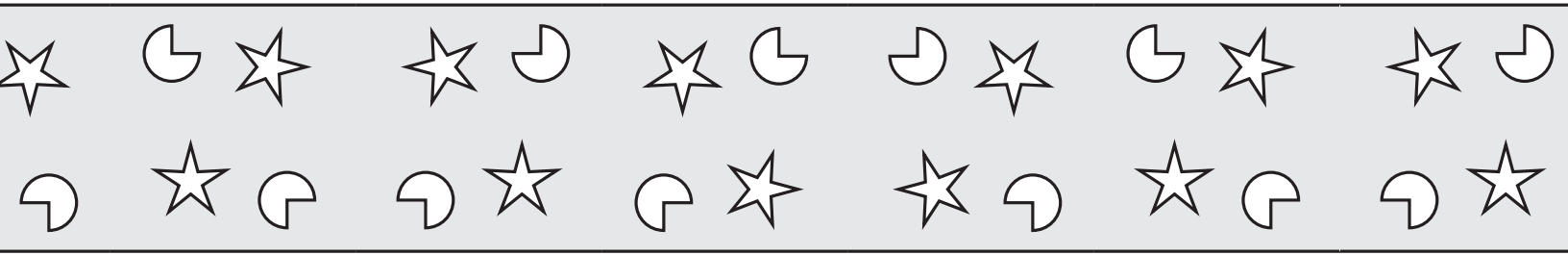


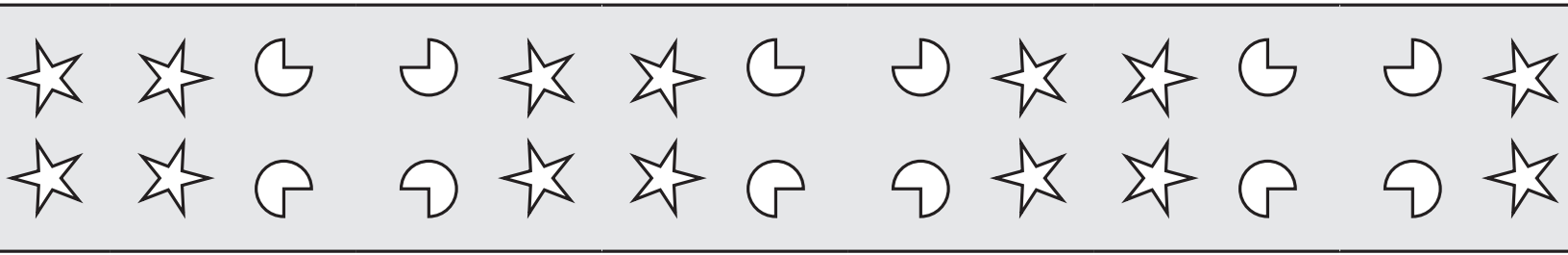












Practice Second Exam 11

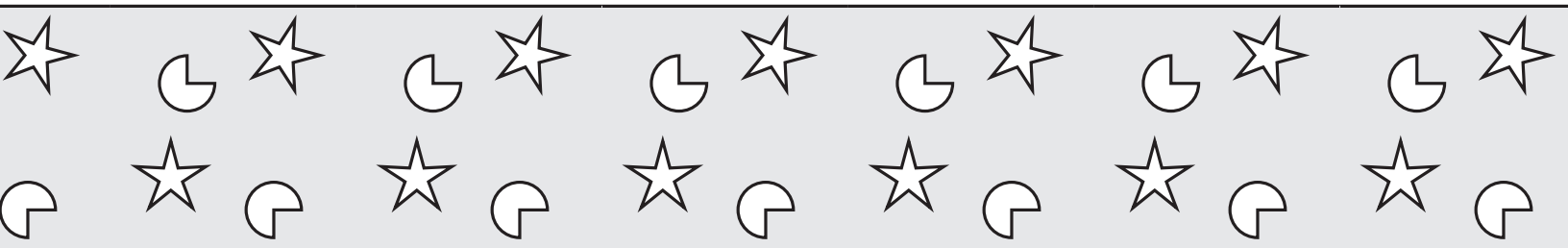
MATH V1010: Groups and Symmetry, Fall, 2003 (1, 5, 7, 6)

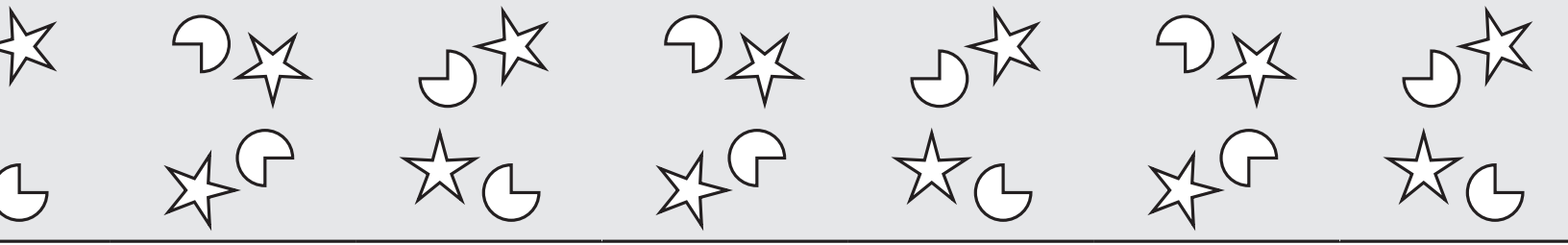
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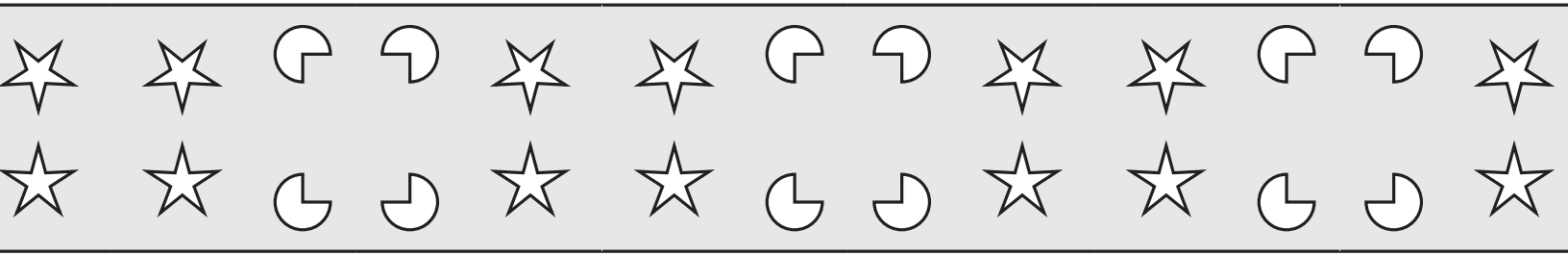
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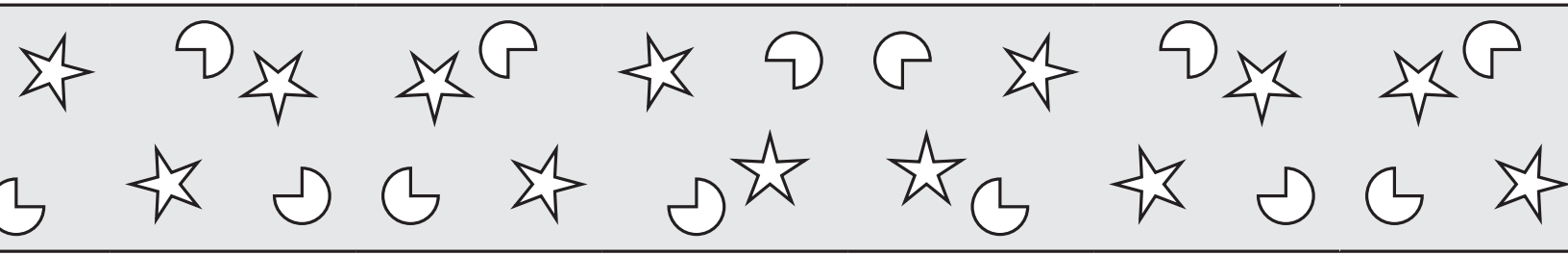
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Practice Second Exam 12

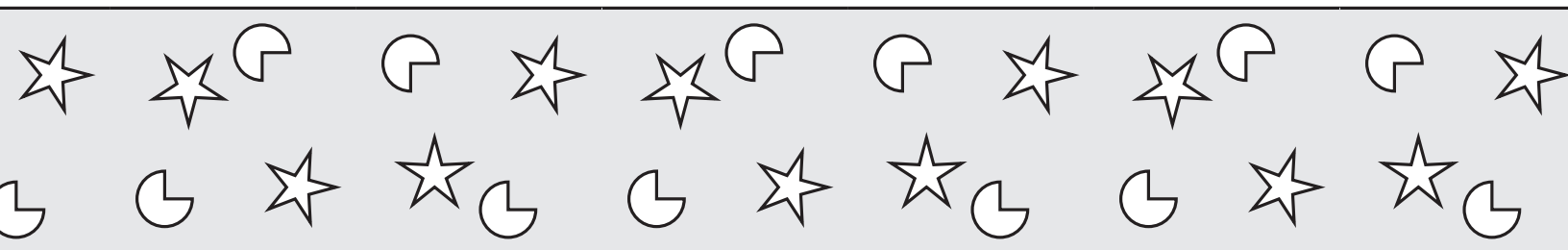
MATH V1010: Groups and Symmetry, Fall, 2003 (2, 5, 7, 6)

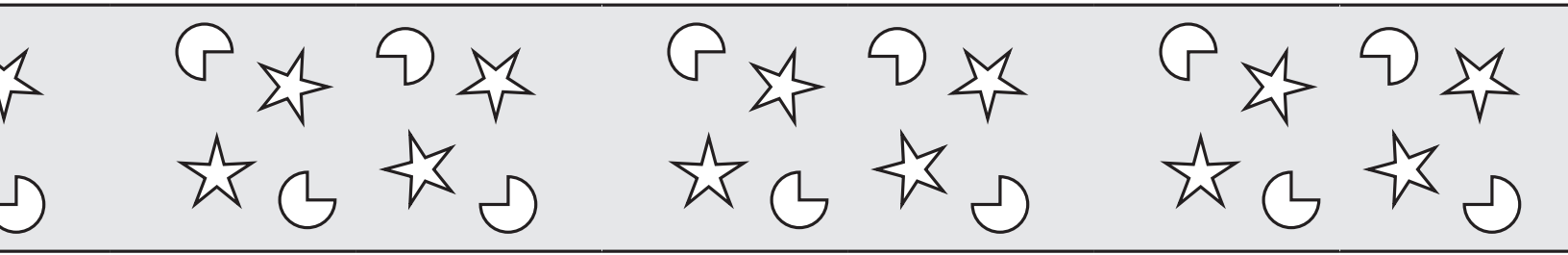
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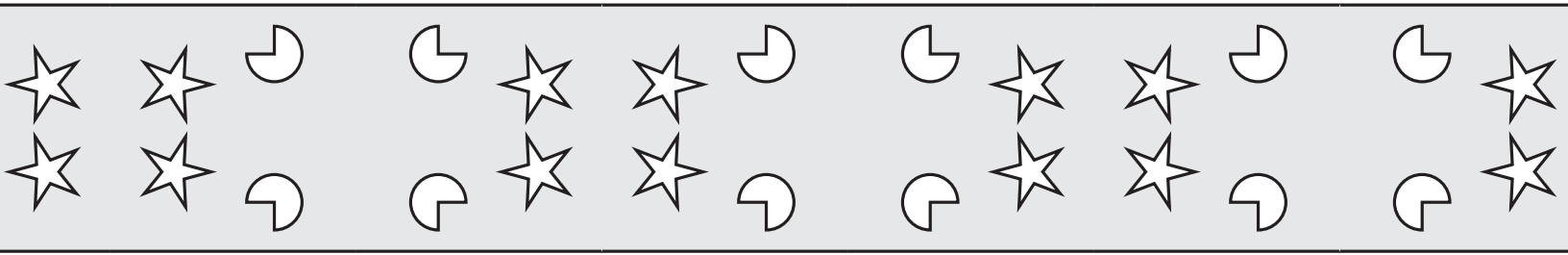
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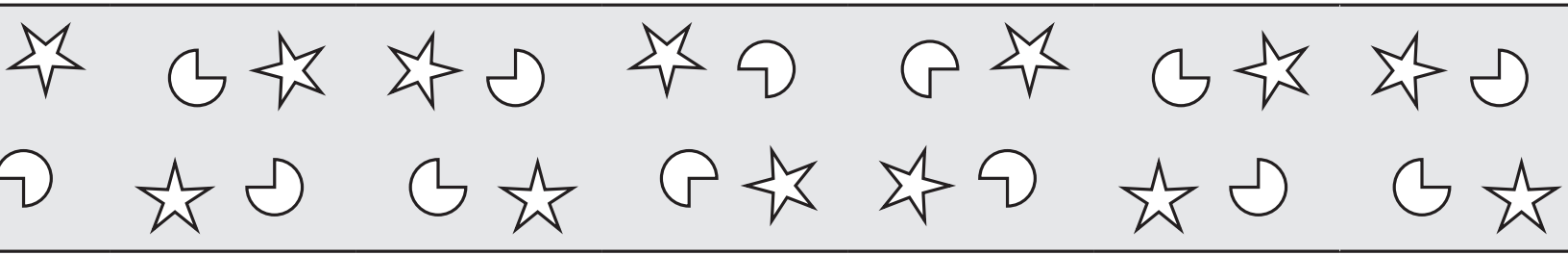
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Practice Second Exam 13

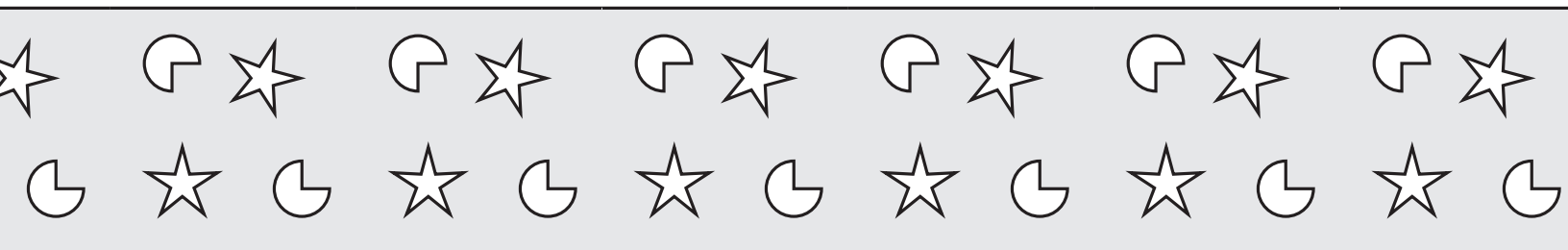
MATH V1010: Groups and Symmetry, Fall, 2003 (1, 7, 5, 4)

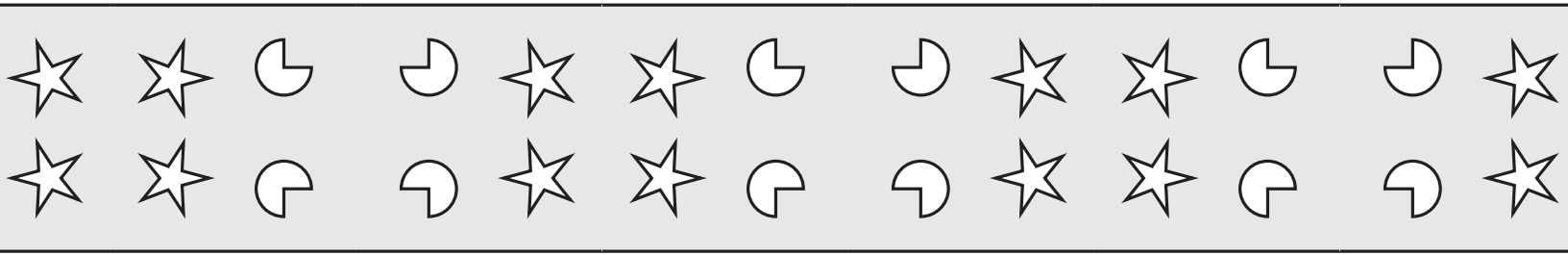
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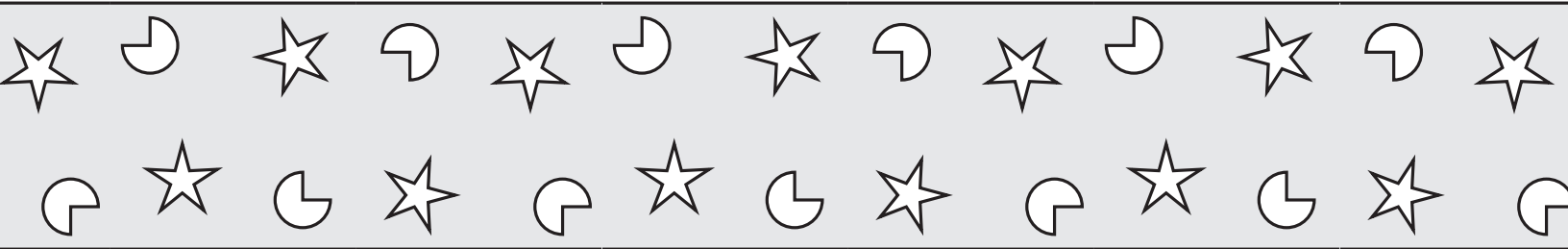
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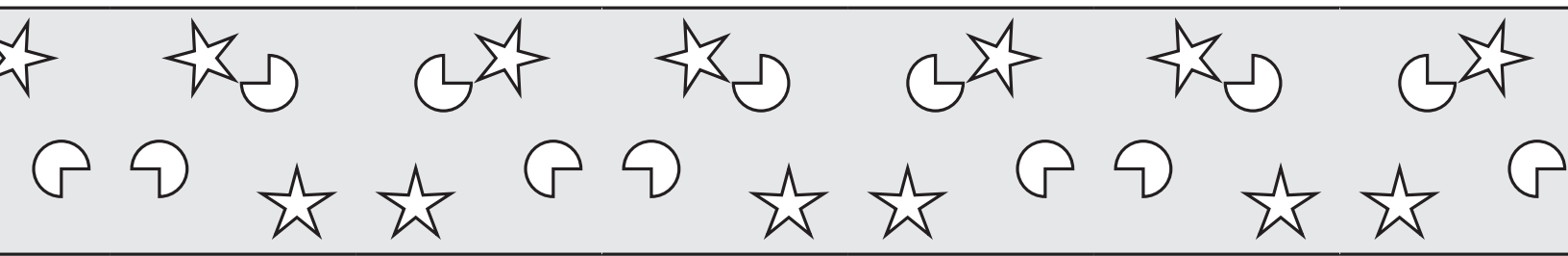
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Practice Second Exam 14

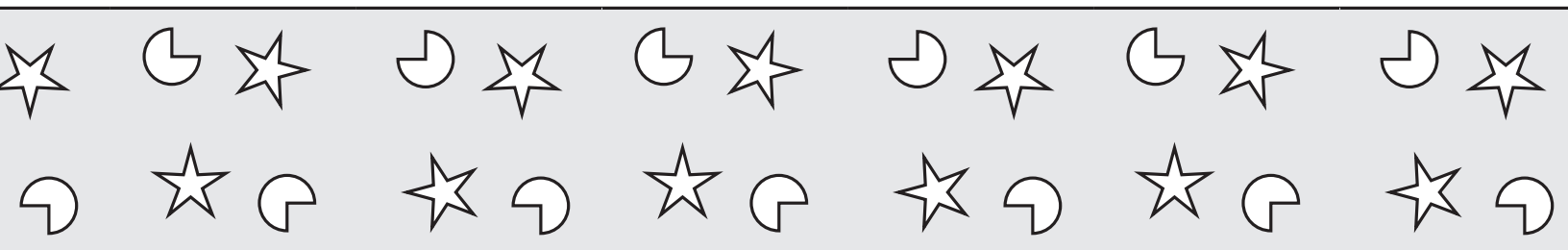
MATH V1010: Groups and Symmetry, Fall, 2003 (5, 4, 2, 6)

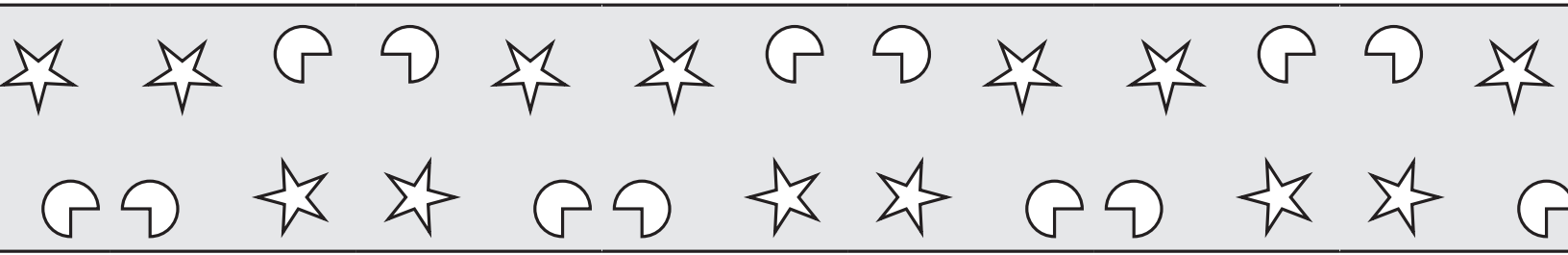
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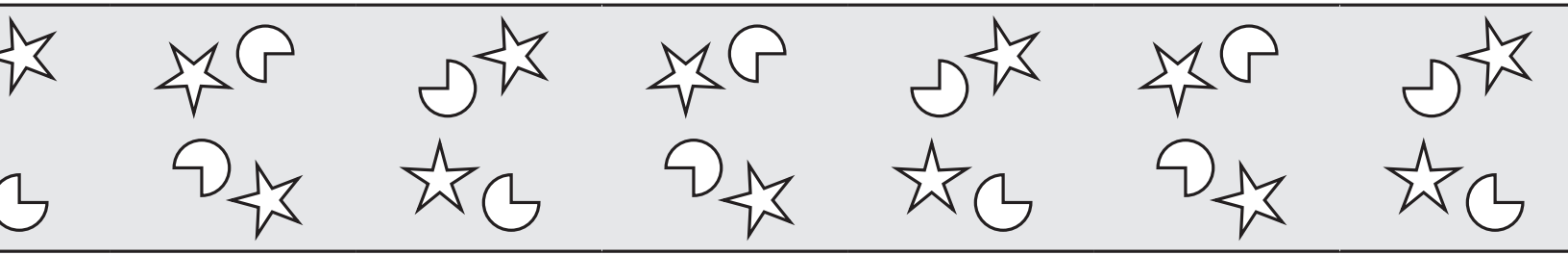
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Practice Second Exam 15

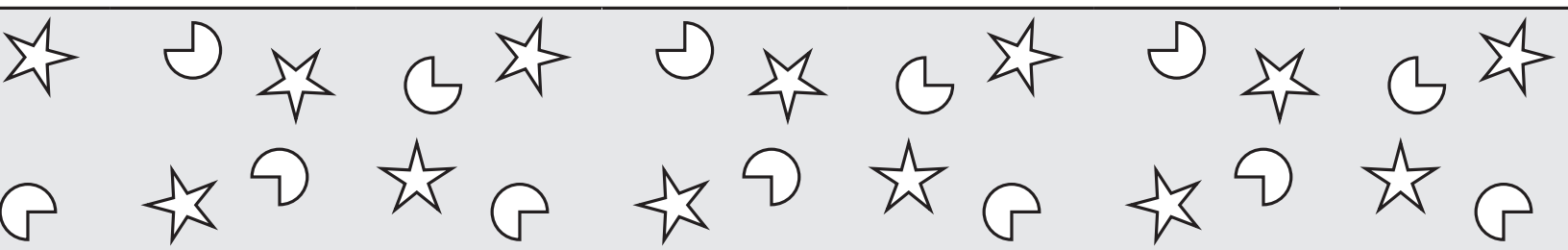
MATH V1010: Groups and Symmetry, Fall, 2003 (5, 2, 4, 1)

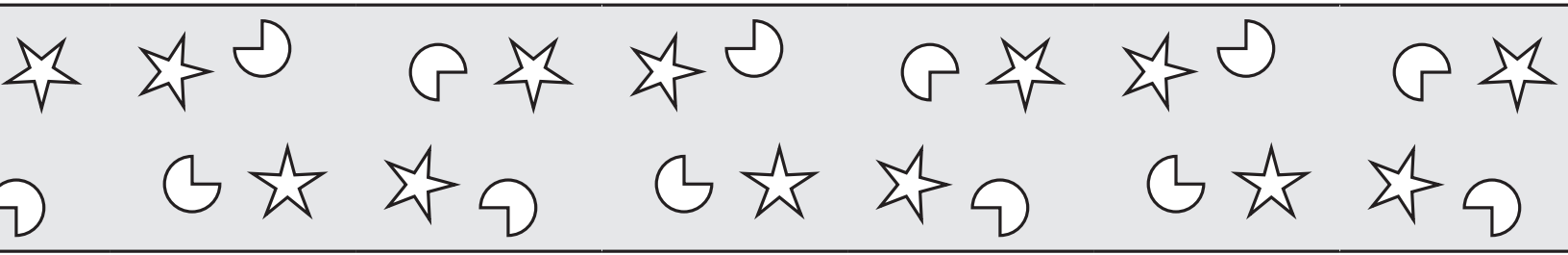
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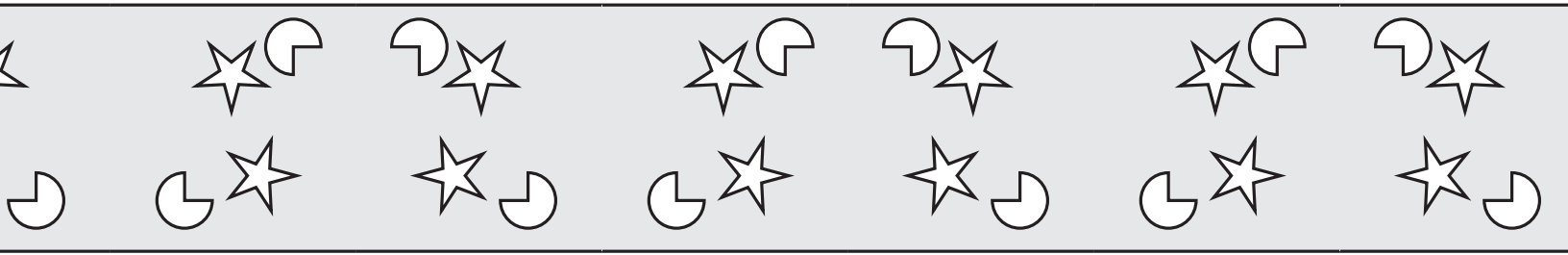
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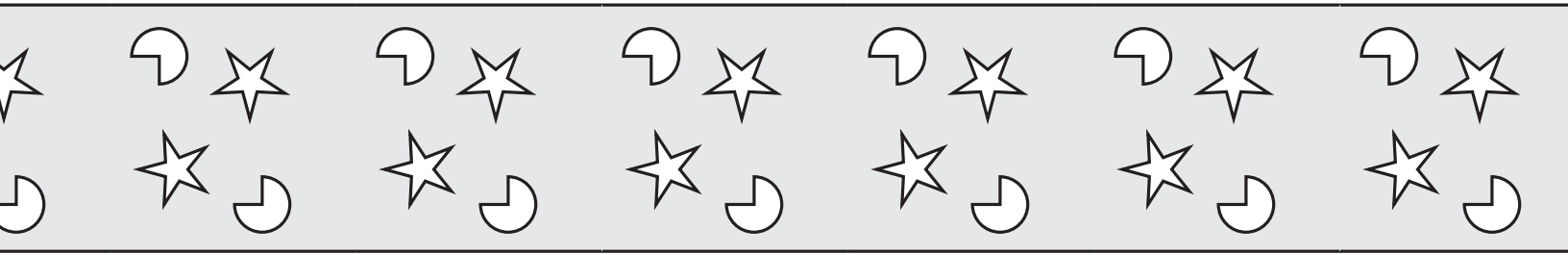
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Practice Second Exam 16

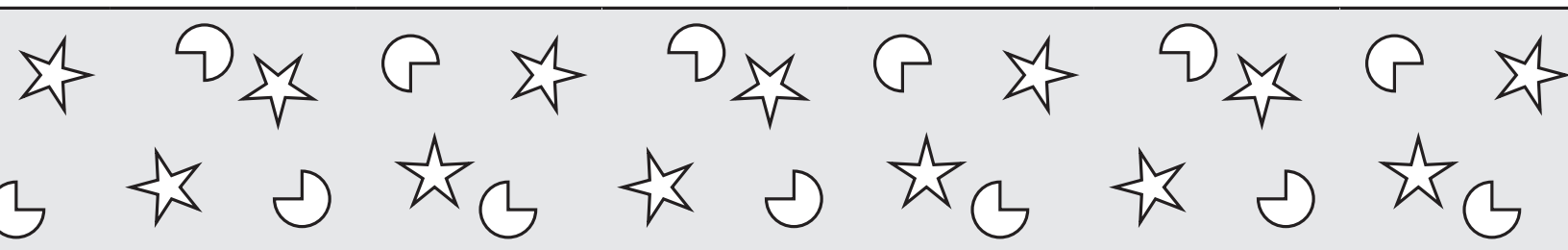
MATH V1010: Groups and Symmetry, Fall, 2003 (5, 6, 3, 4)

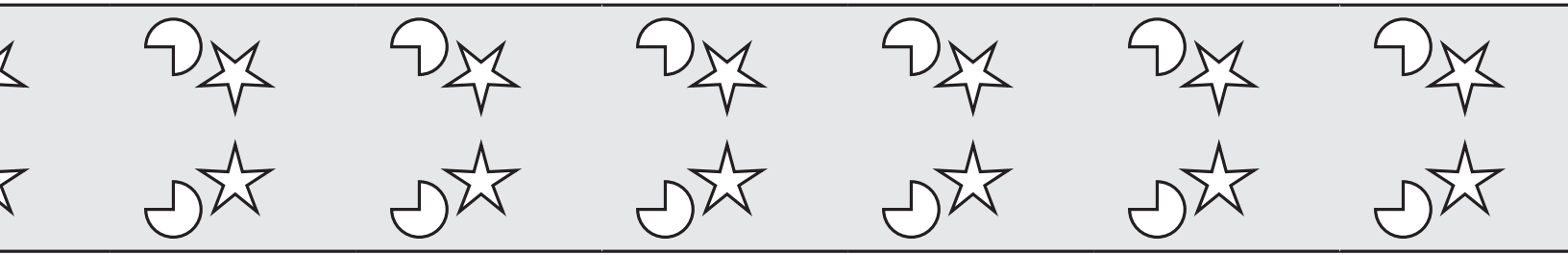
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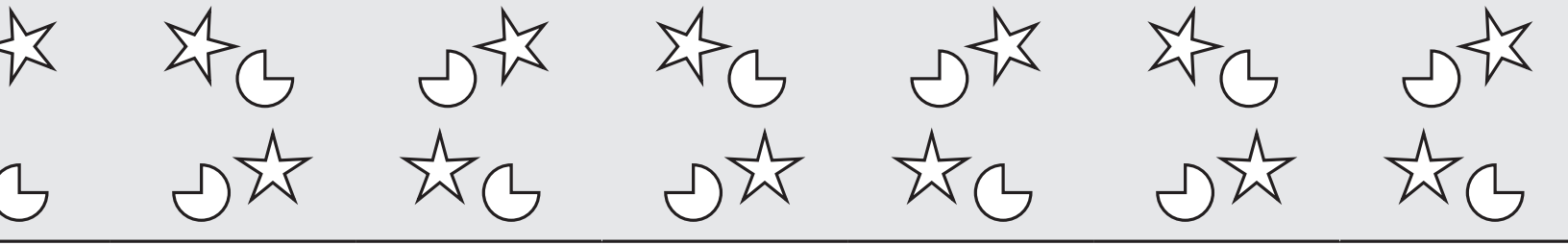
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Practice Second Exam 17

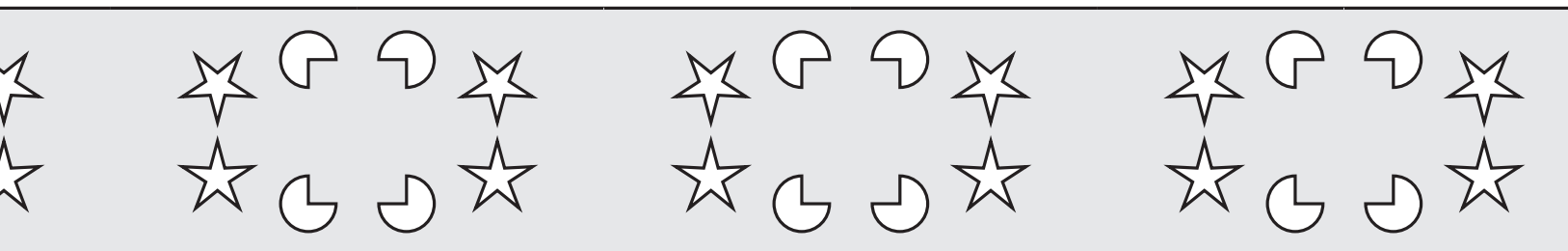
MATH V1010: Groups and Symmetry, Fall, 2003 (7, 5, 2, 4)

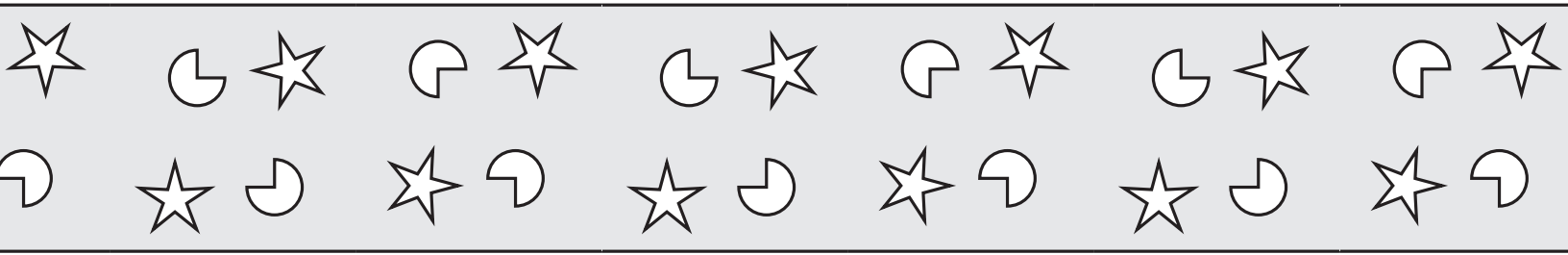
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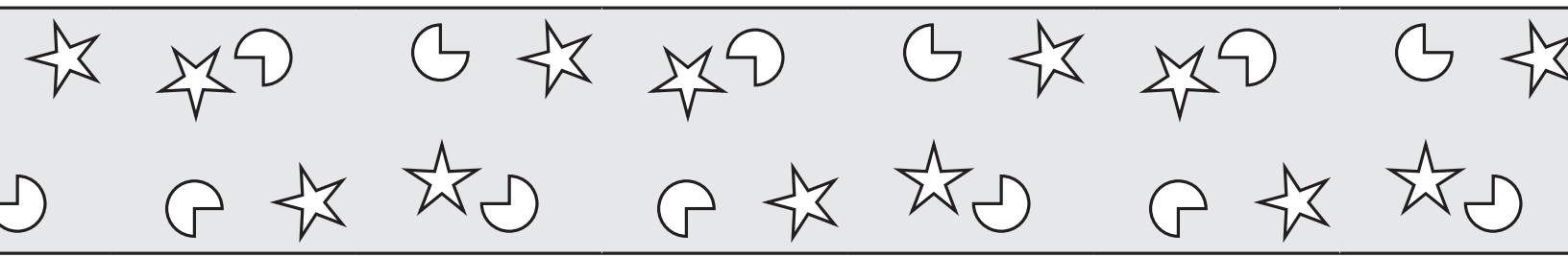
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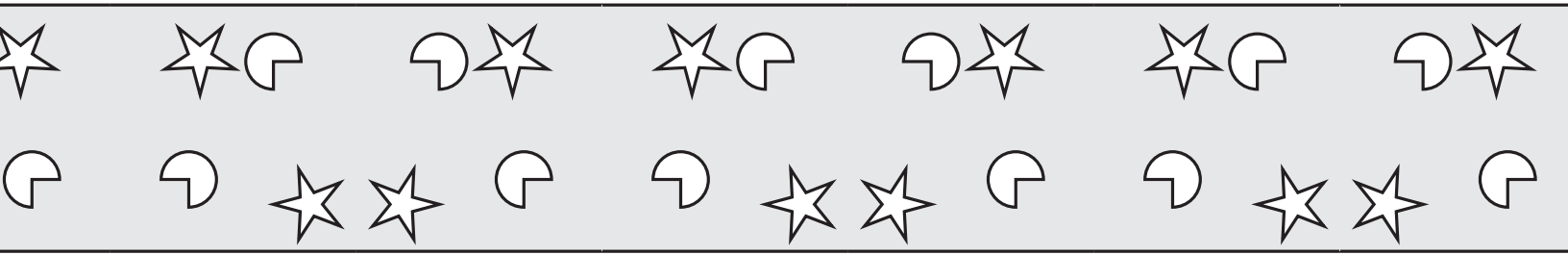
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Practice Second Exam 18

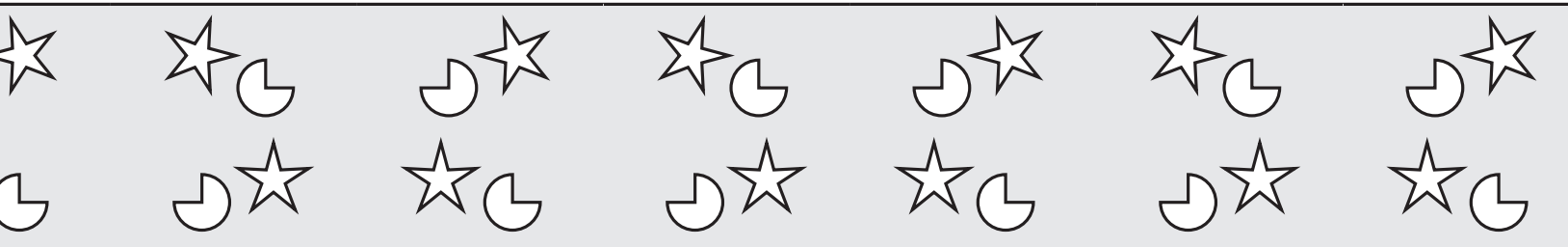
MATH V1010: Groups and Symmetry, Fall, 2003 (4, 7, 1, 3)

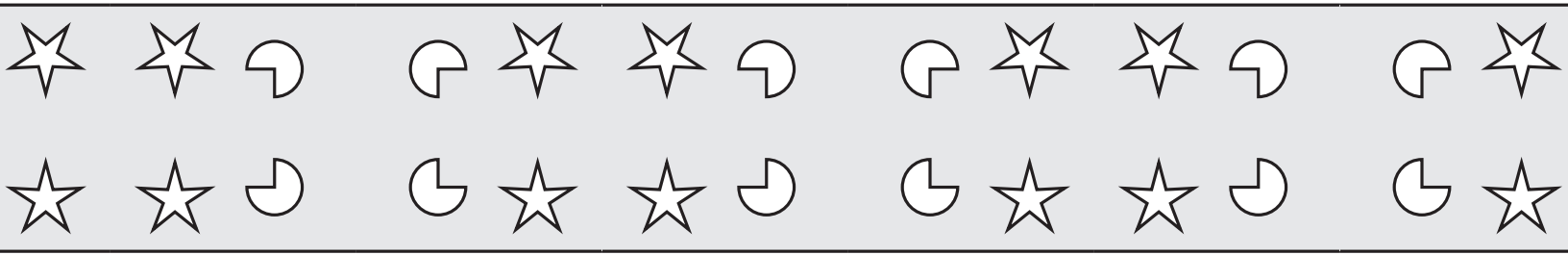
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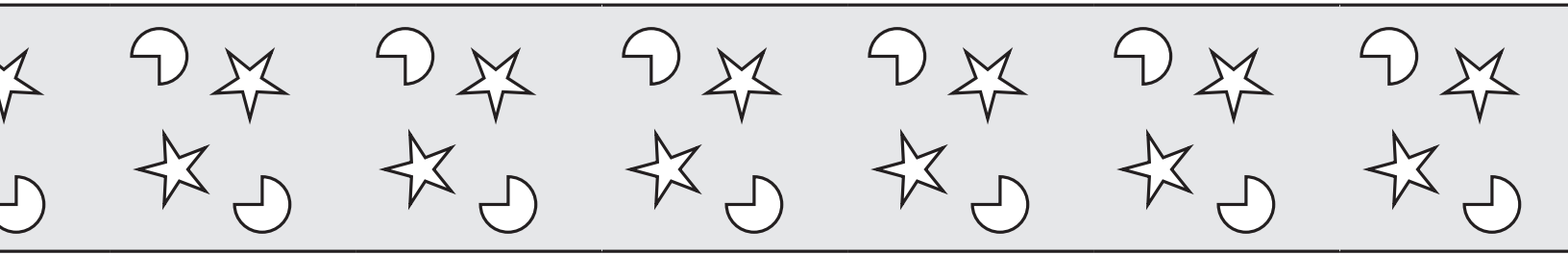
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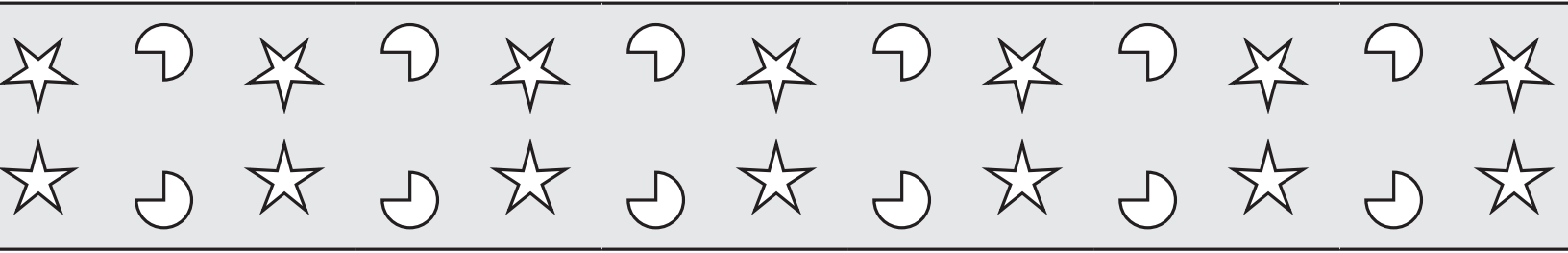
You may use scratch paper, but only these pages will be graded. Do not hand in your scratch paper.

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Practice Second Exam 19

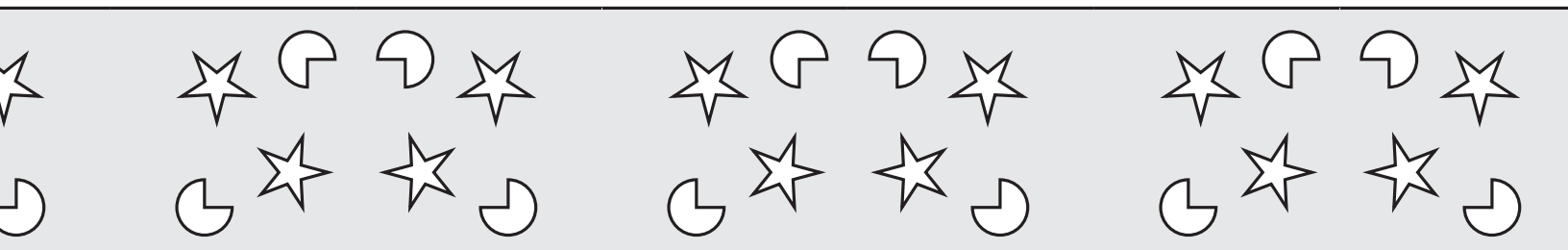
MATH V1010: Groups and Symmetry, Fall, 2003 (4, 3, 2, 7)

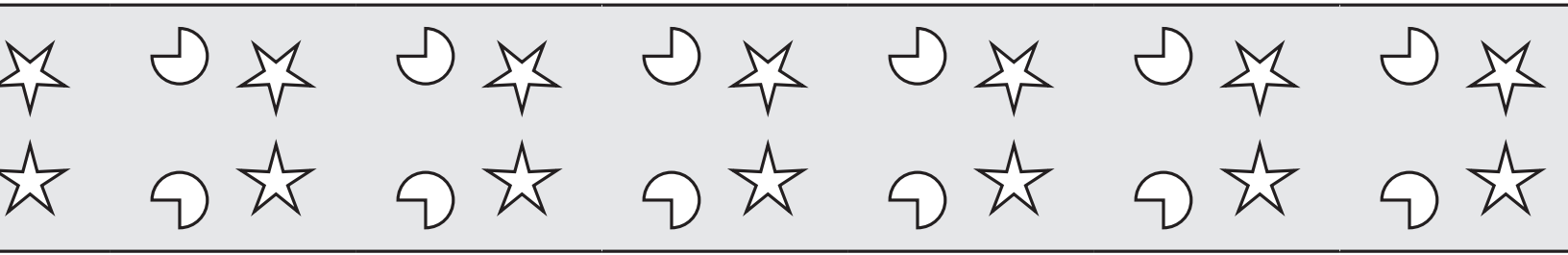
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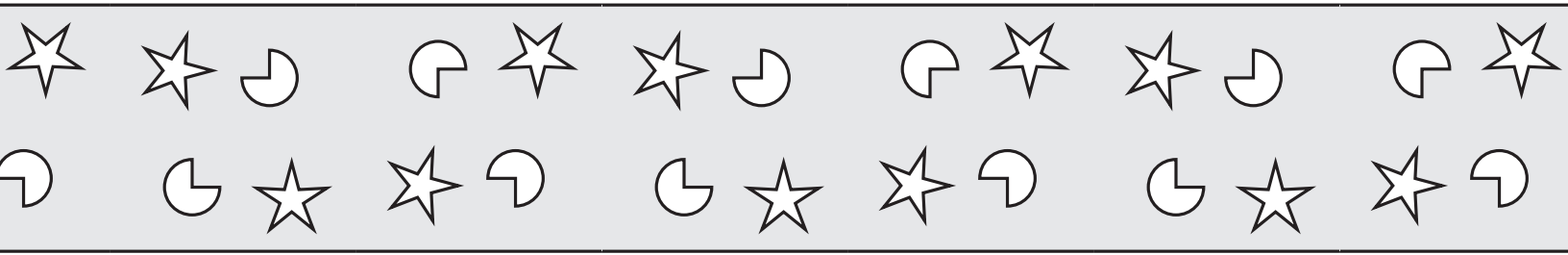
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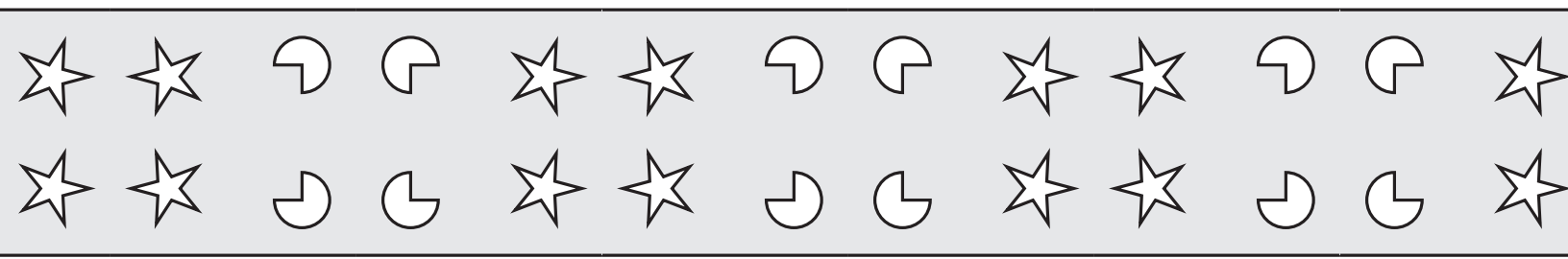
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Practice Second Exam 20

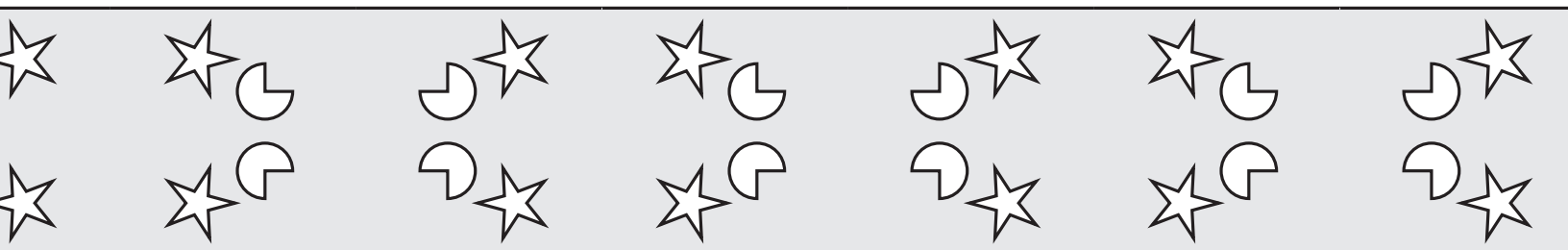
MATH V1010: Groups and Symmetry, Fall, 2003 (7, 4, 2, 1)

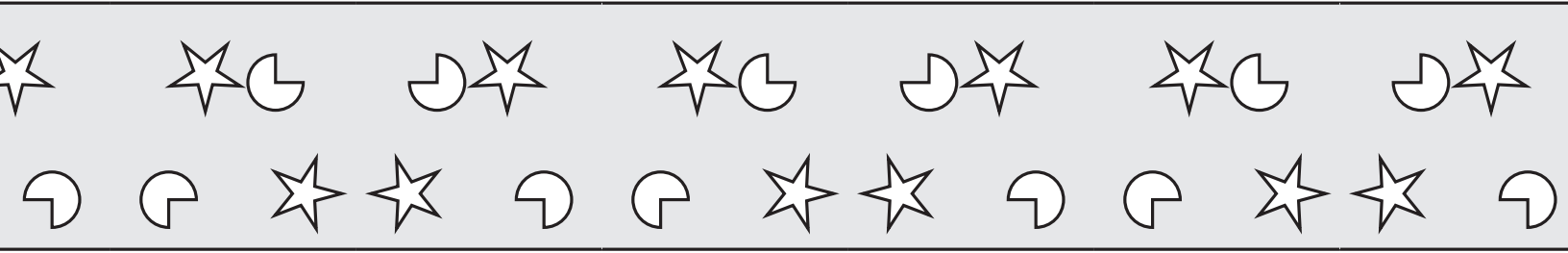
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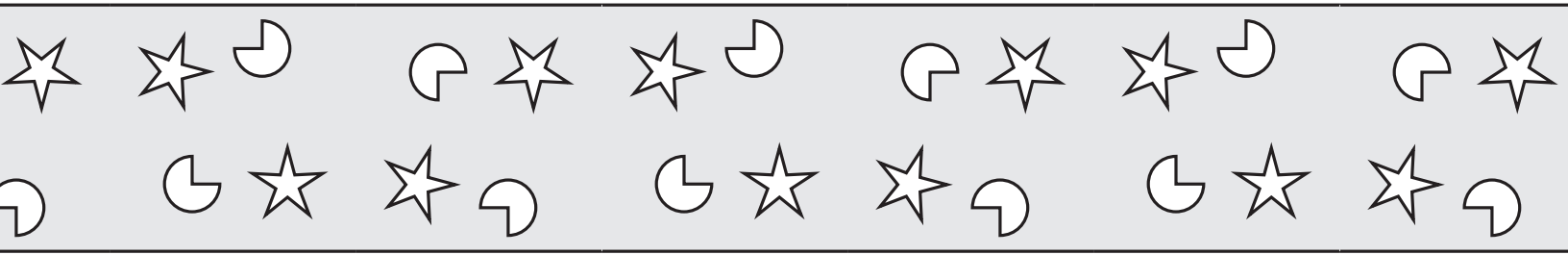
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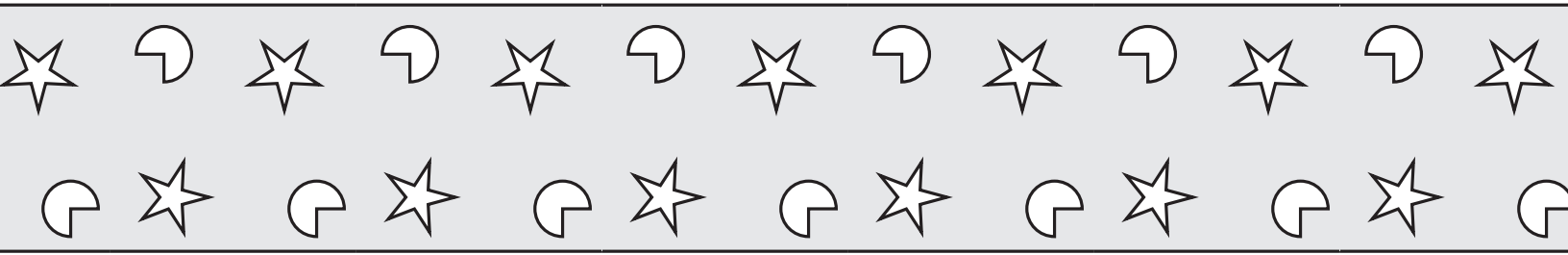
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Practice Second Exam 21

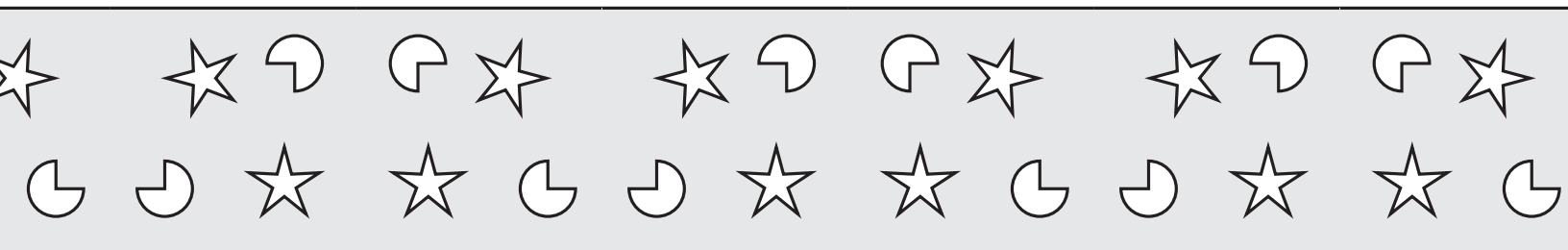
MATH V1010: Groups and Symmetry, Fall, 2003 (4, 1, 3, 7)

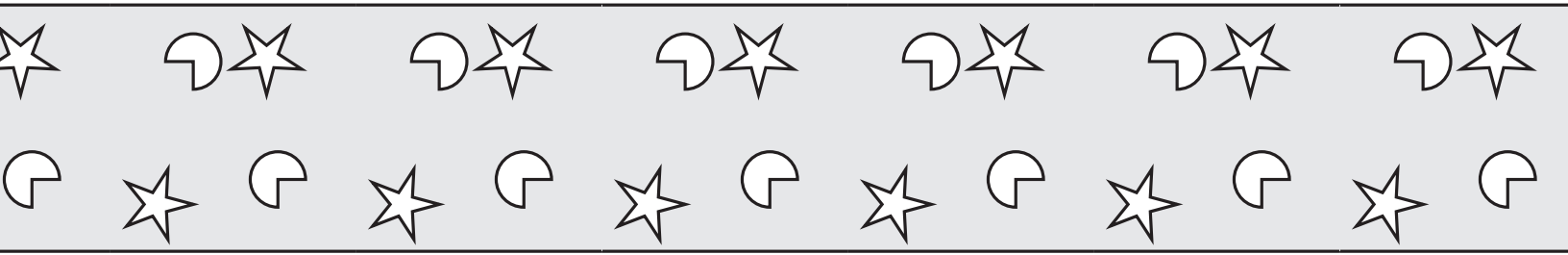
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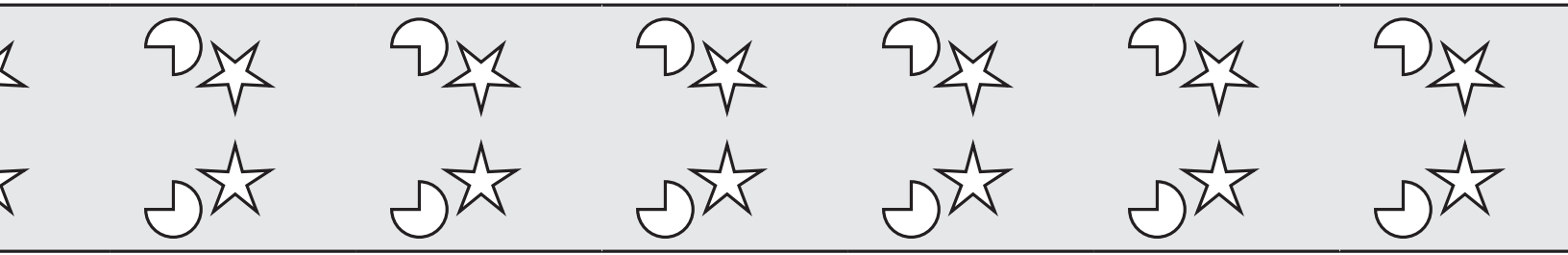
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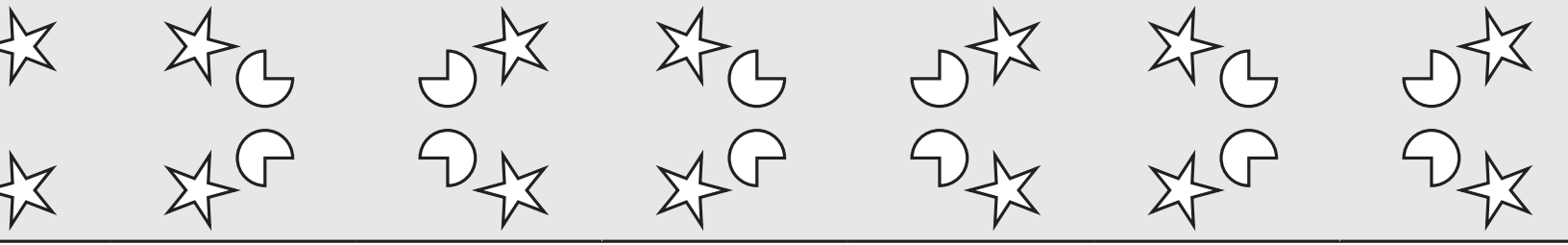
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Practice Second Exam 22

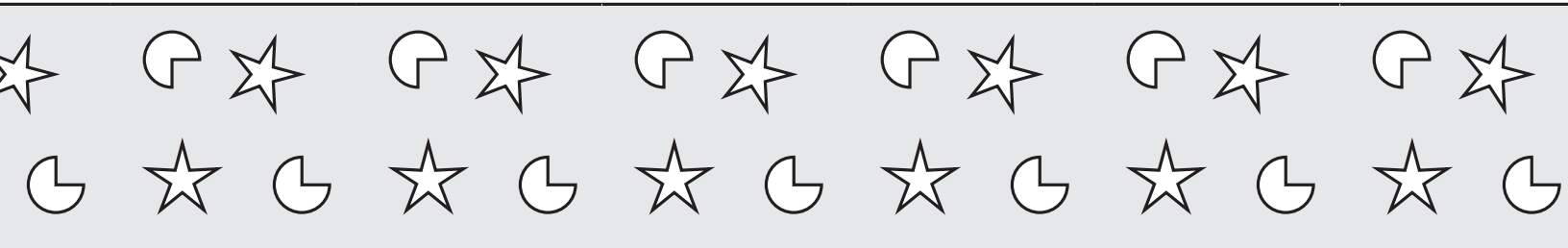
MATH V1010: Groups and Symmetry, Fall, 2003 (1, 4, 5, 2)

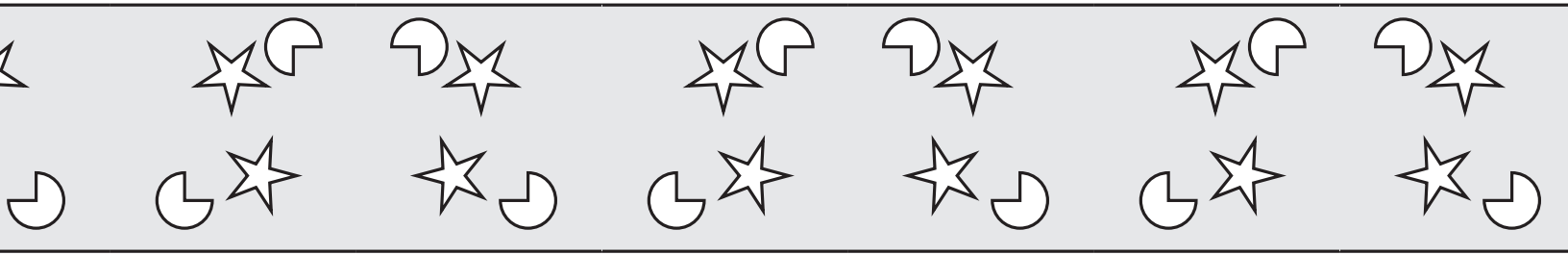
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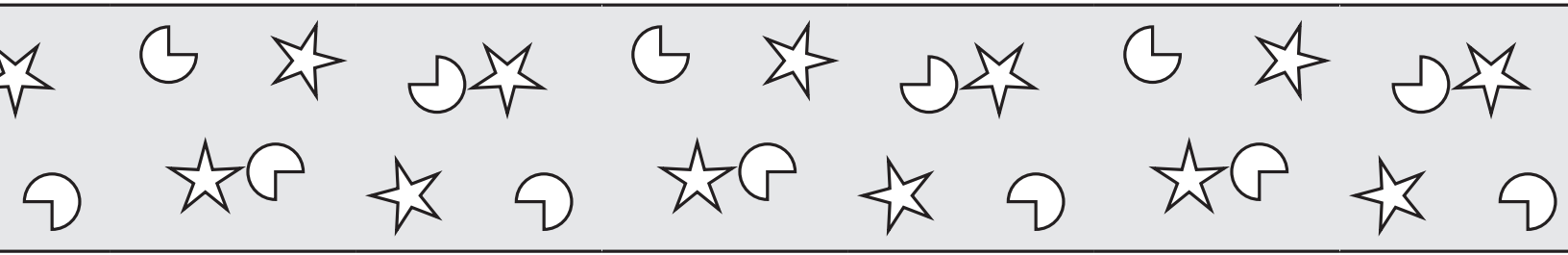
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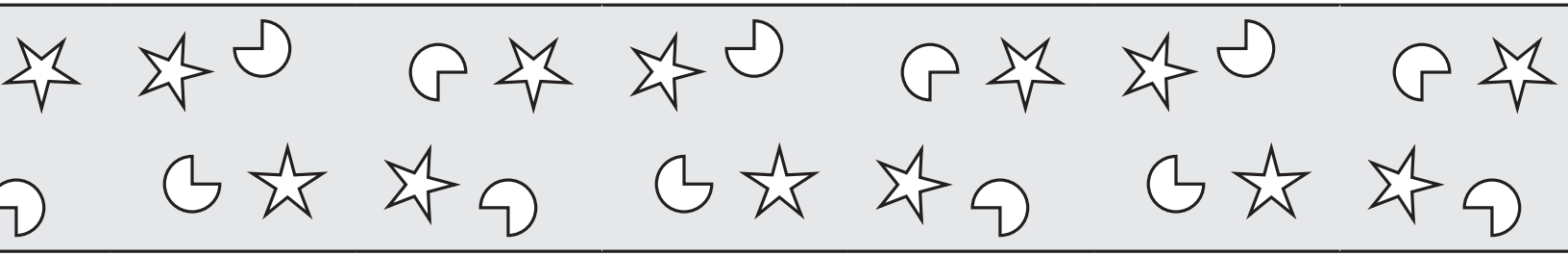
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Practice Second Exam 23

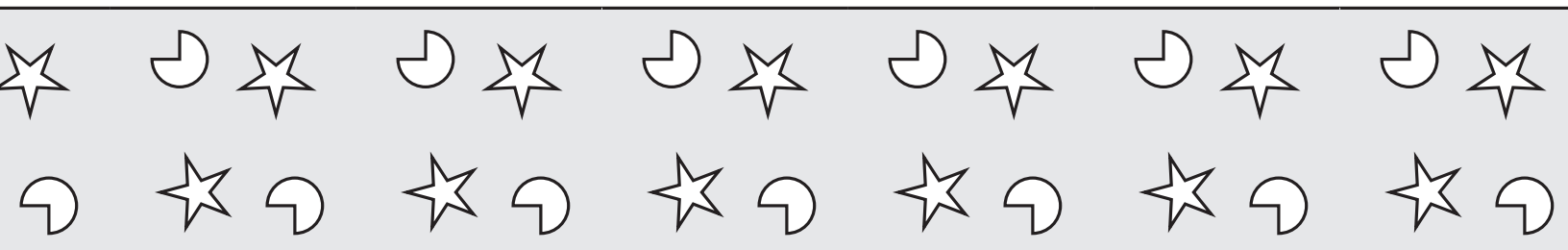
MATH V1010: Groups and Symmetry, Fall, 2003 (1, 5, 6, 3)

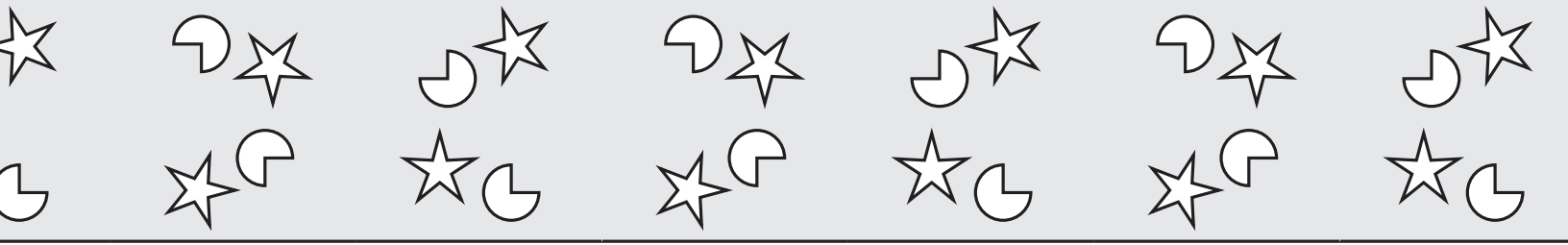
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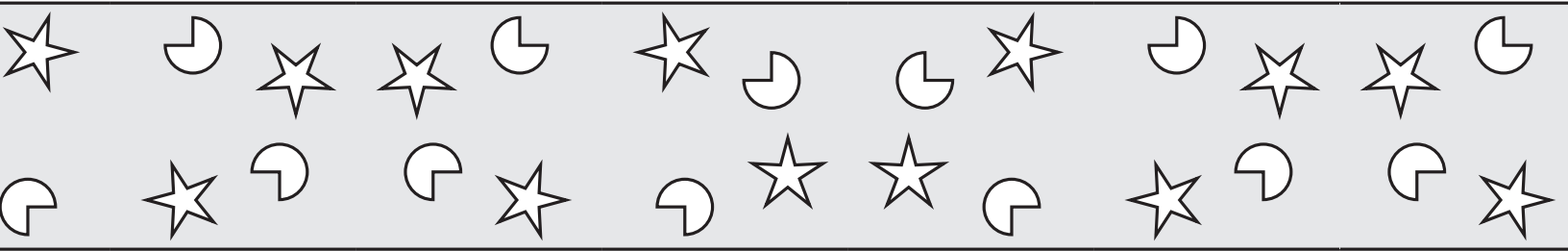
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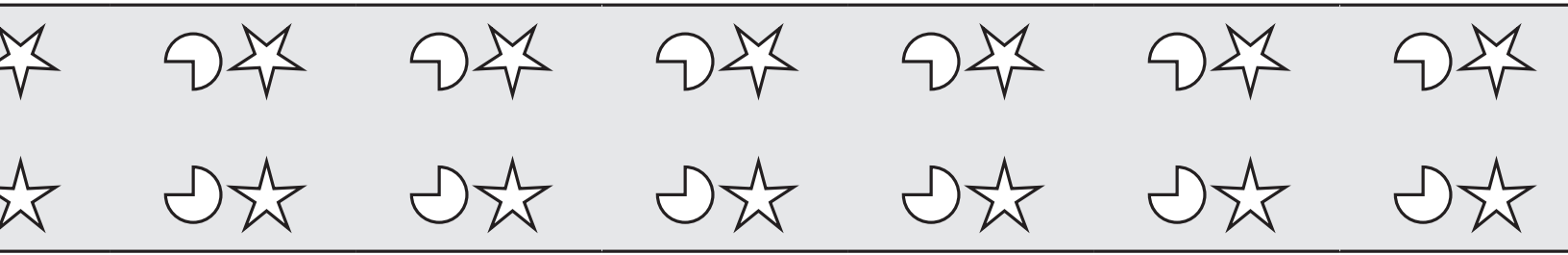
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Practice Second Exam 24

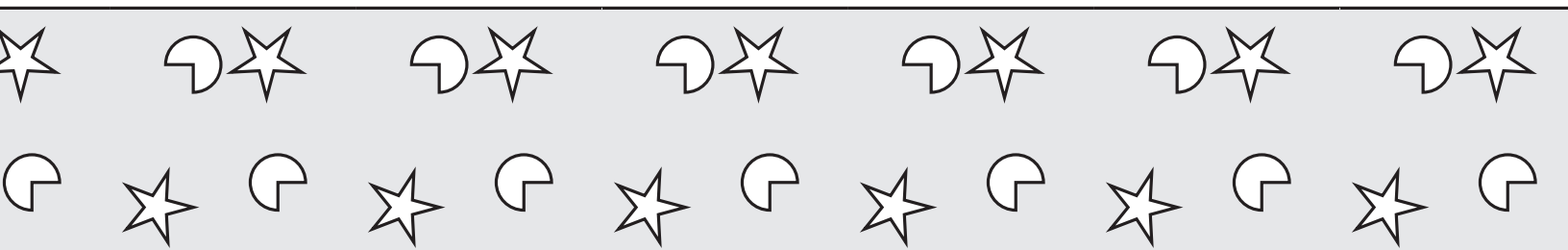
MATH V1010: Groups and Symmetry, Fall, 2003 (1, 7, 6, 4)

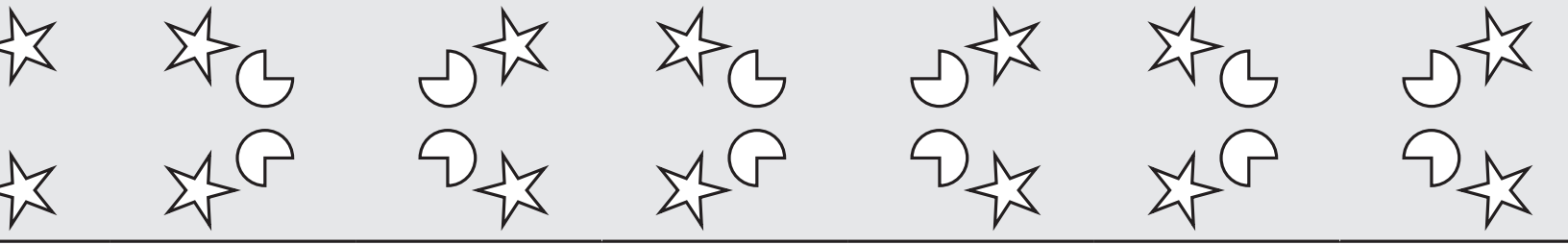
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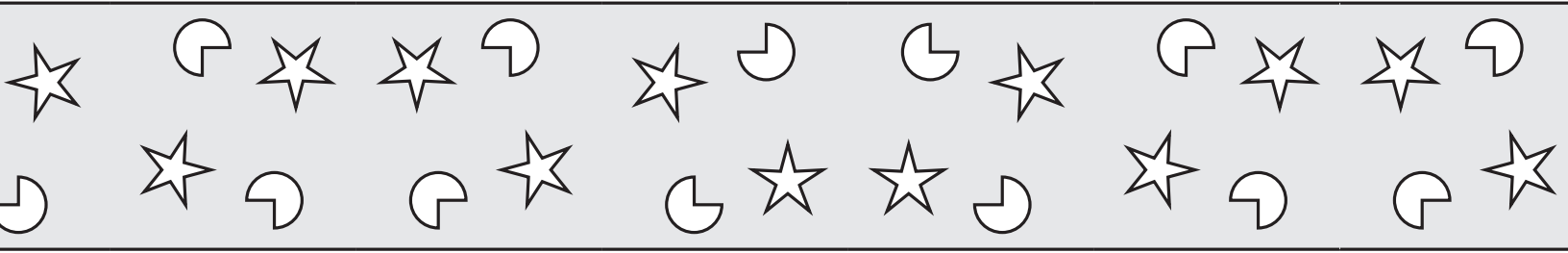
[1]	[2]	[3]	[4]	TOTAL

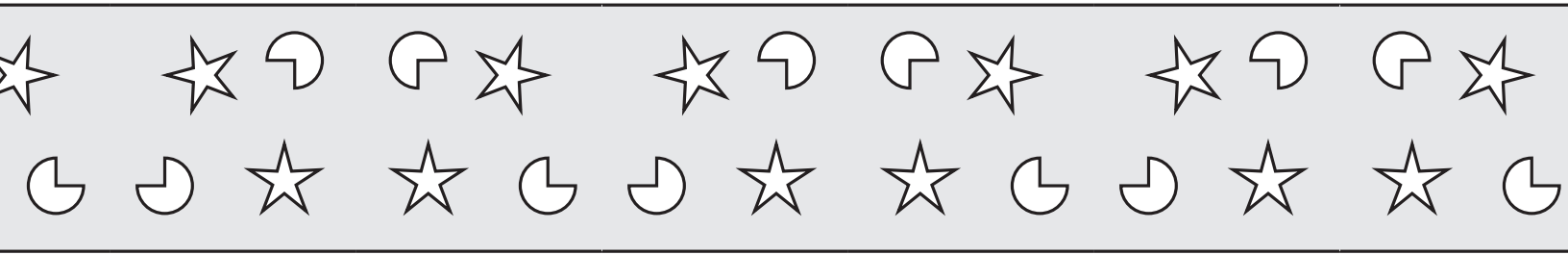
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Practice Second Exam 25

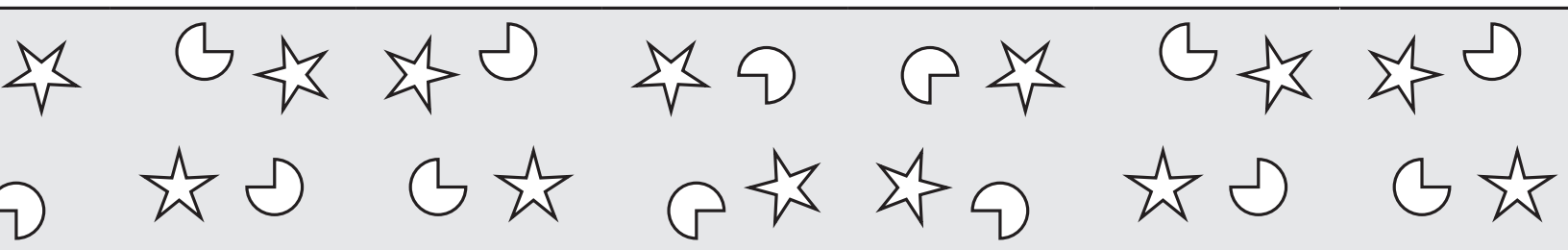
MATH V1010: Groups and Symmetry, Fall, 2003 (6, 1, 7, 4)

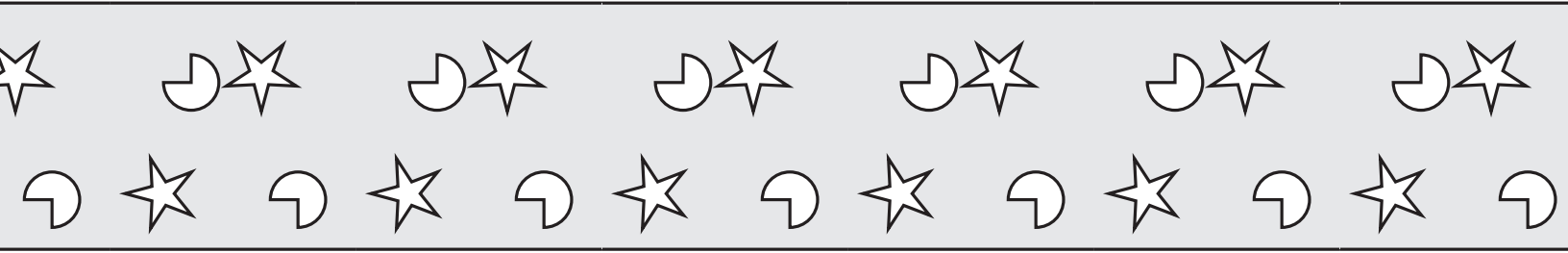
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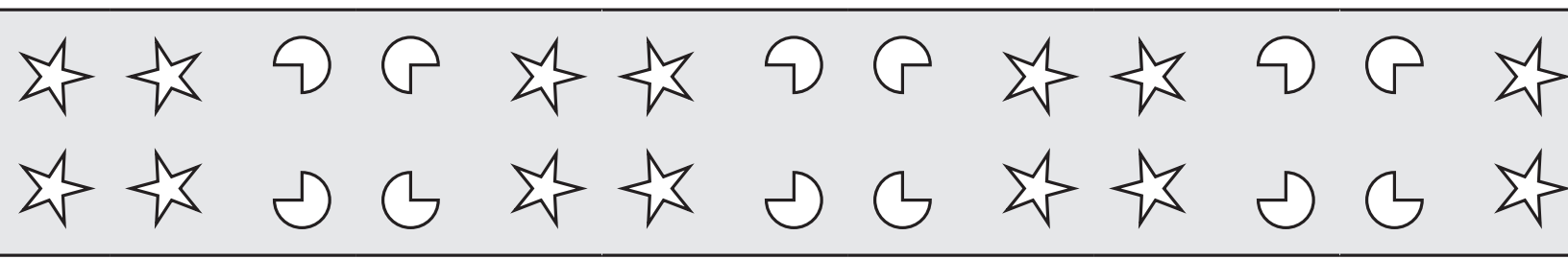
[1]	[2]	[3]	[4]	TOTAL

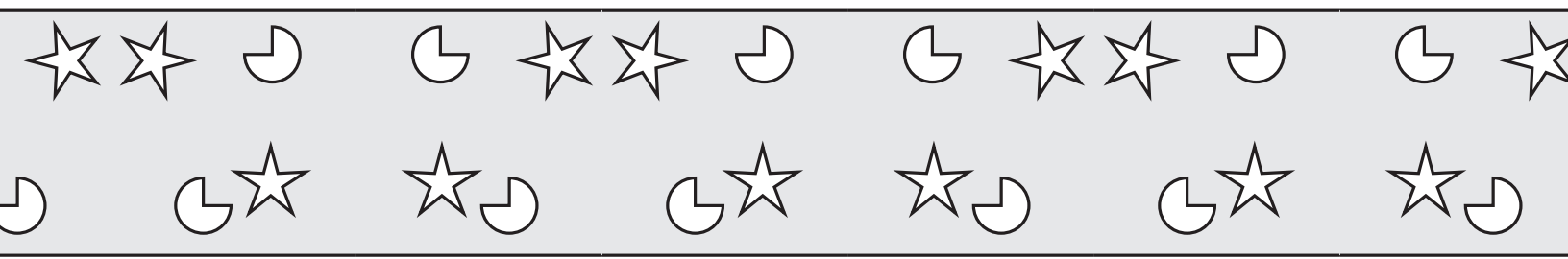
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Practice Second Exam 26

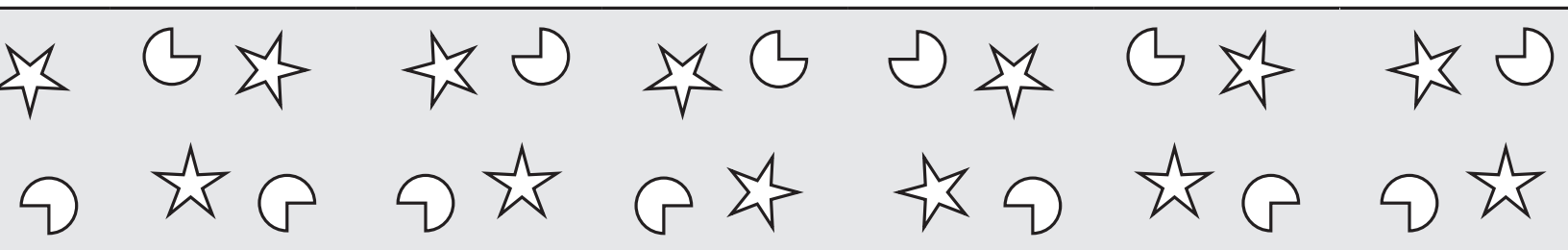
MATH V1010: Groups and Symmetry, Fall, 2003 (6, 3, 7, 4)

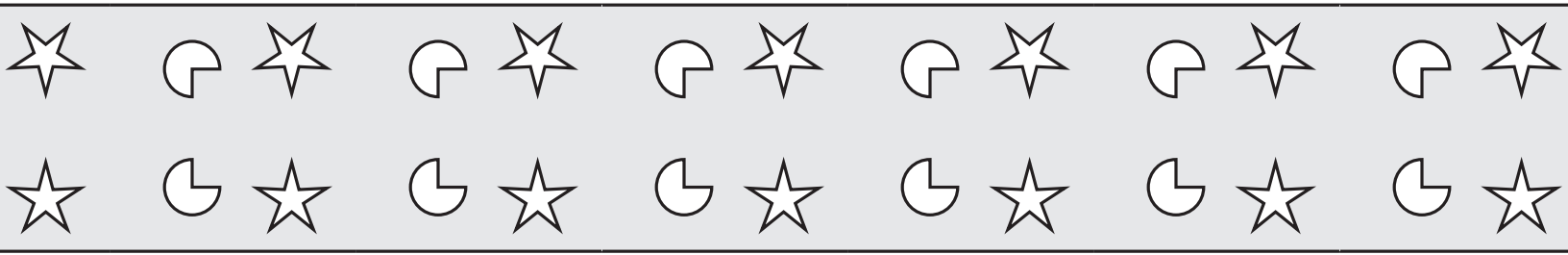
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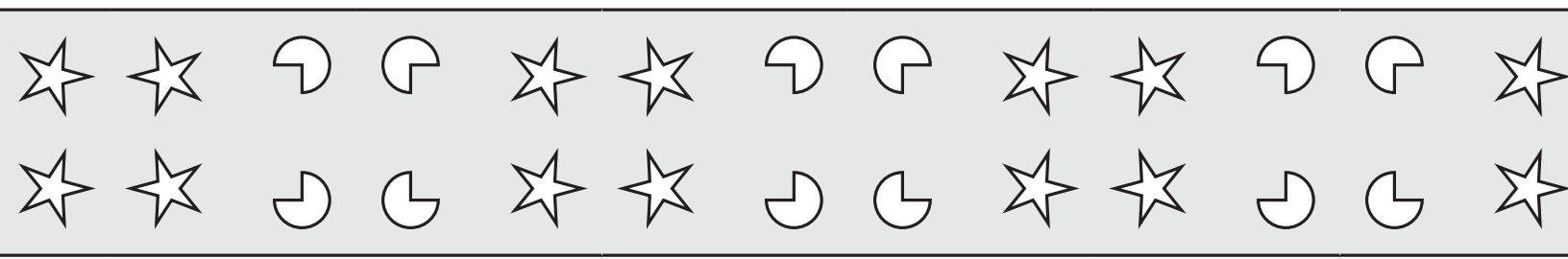
[1]	[2]	[3]	[4]	TOTAL

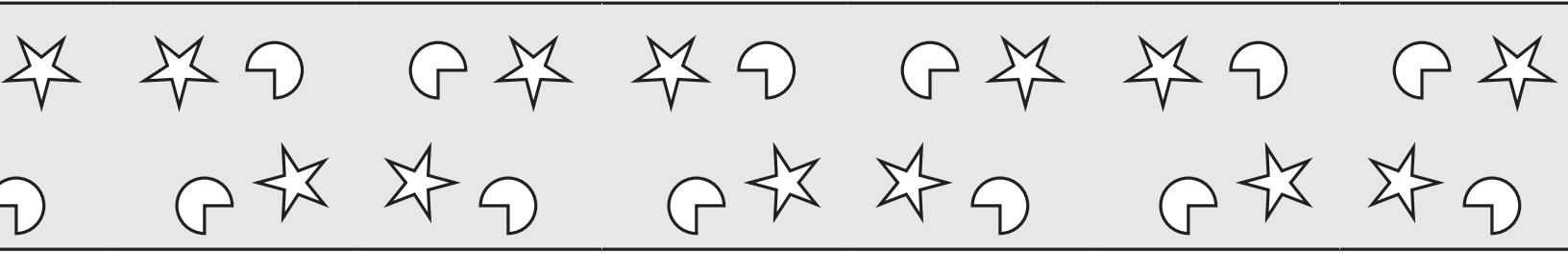
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Practice Second Exam 27

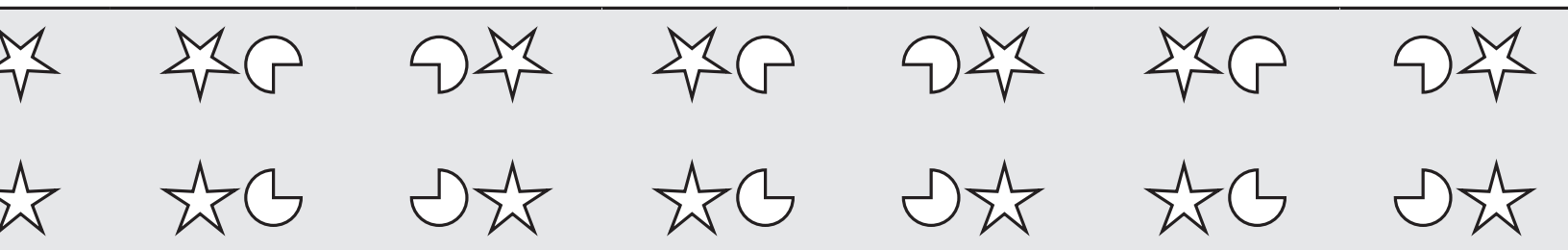
MATH V1010: Groups and Symmetry, Fall, 2003 (7, 3, 4, 1)

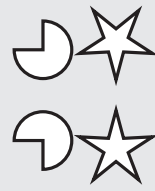
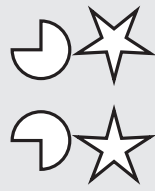
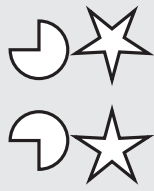
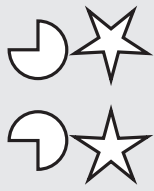
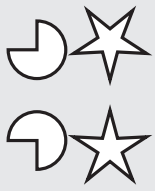
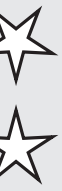
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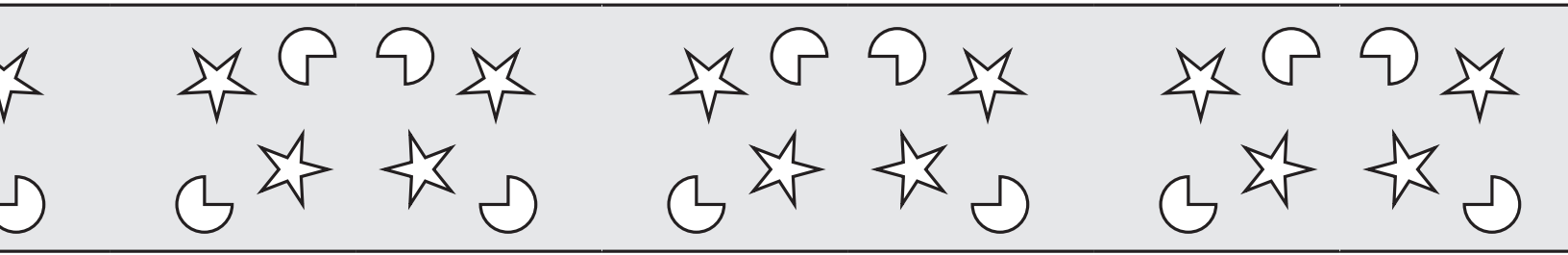
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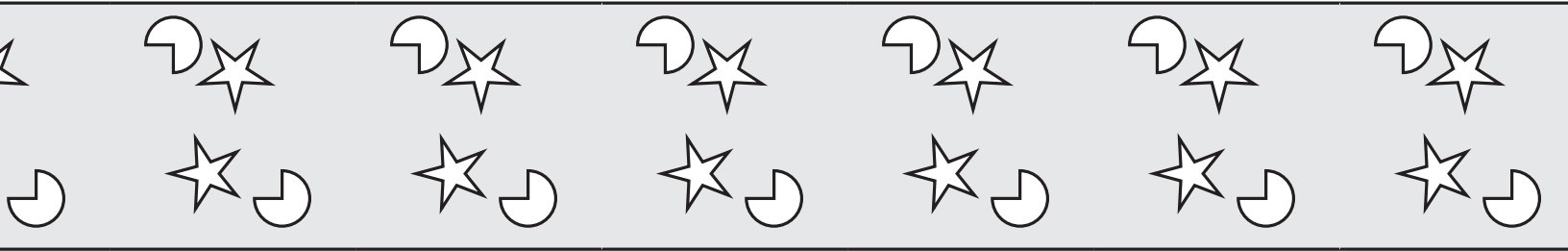
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Practice Second Exam 28

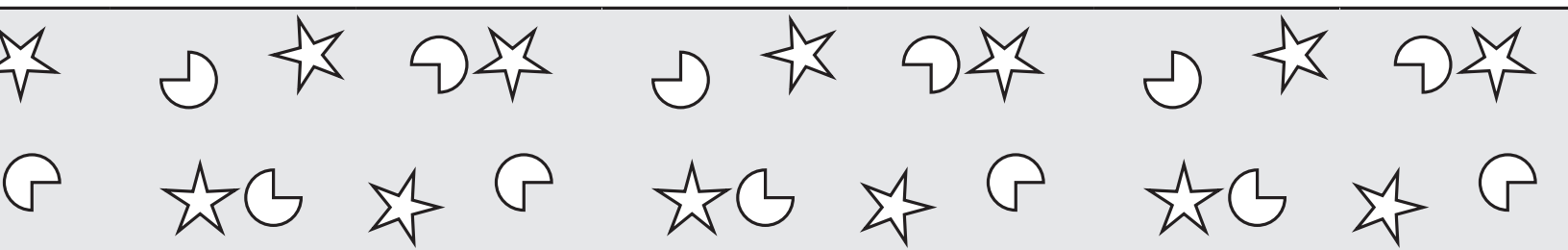
MATH V1010: Groups and Symmetry, Fall, 2003 (5, 7, 1, 3)

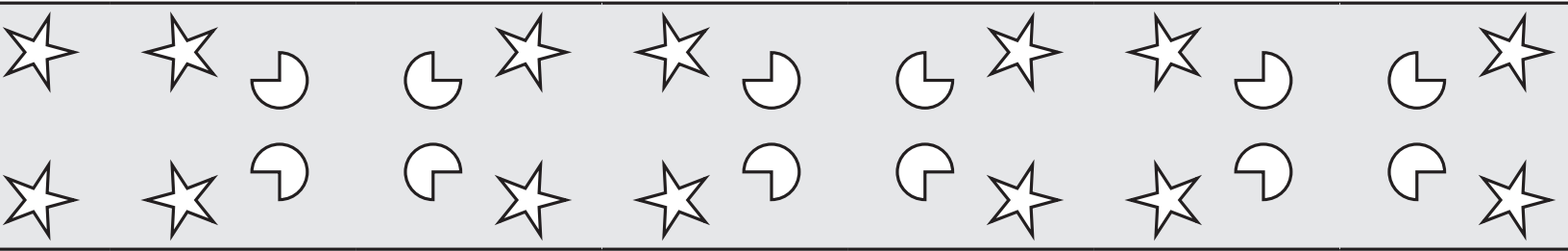
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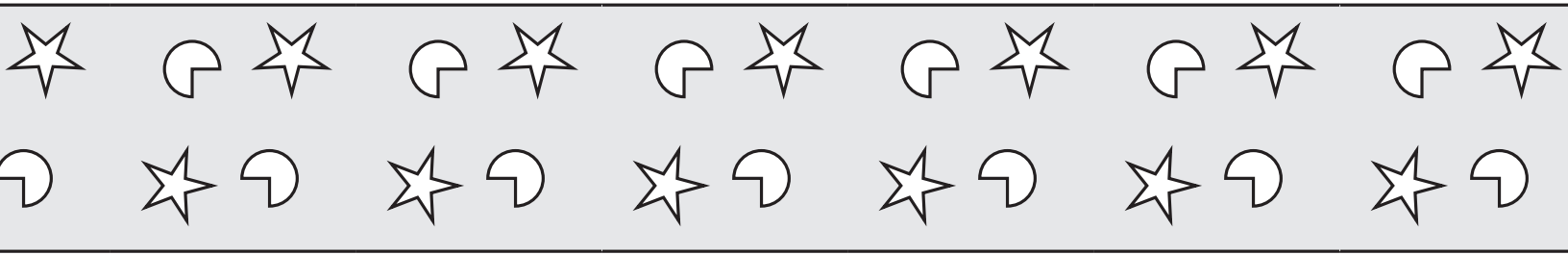
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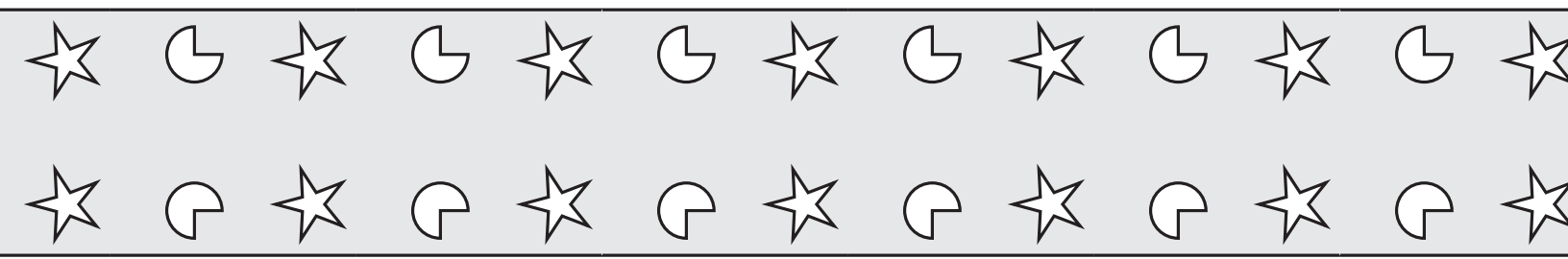
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Practice Second Exam 29

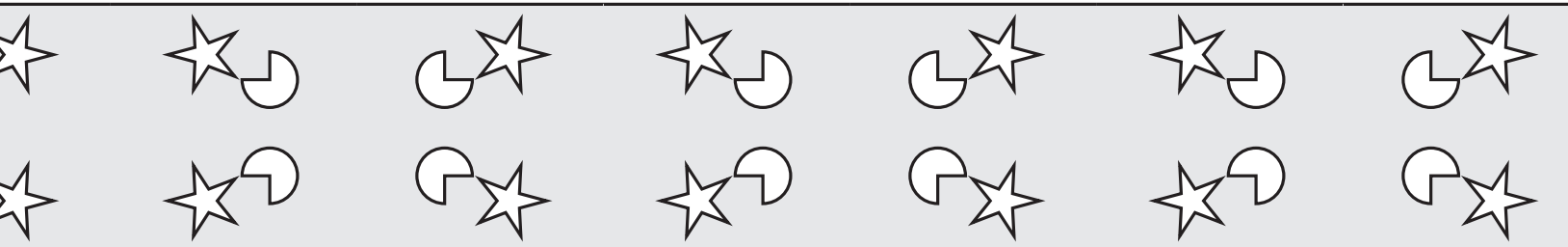
MATH V1010: Groups and Symmetry, Fall, 2003 (7, 4, 5, 3)

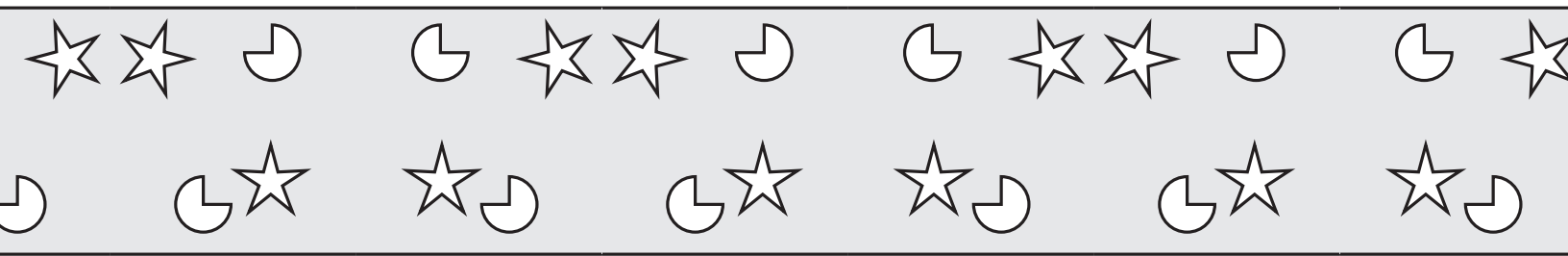
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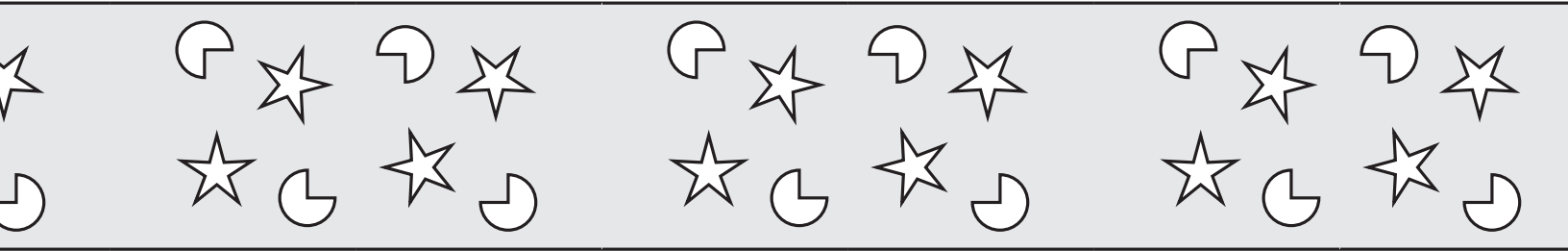
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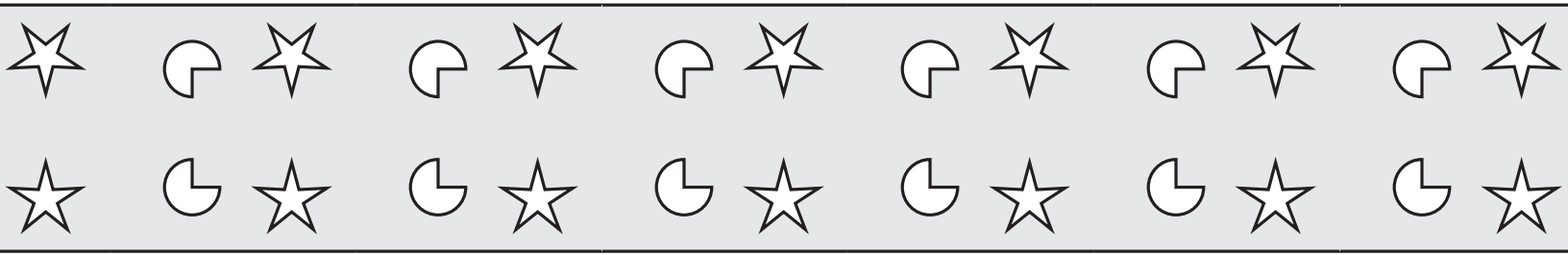
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Practice Second Exam 30

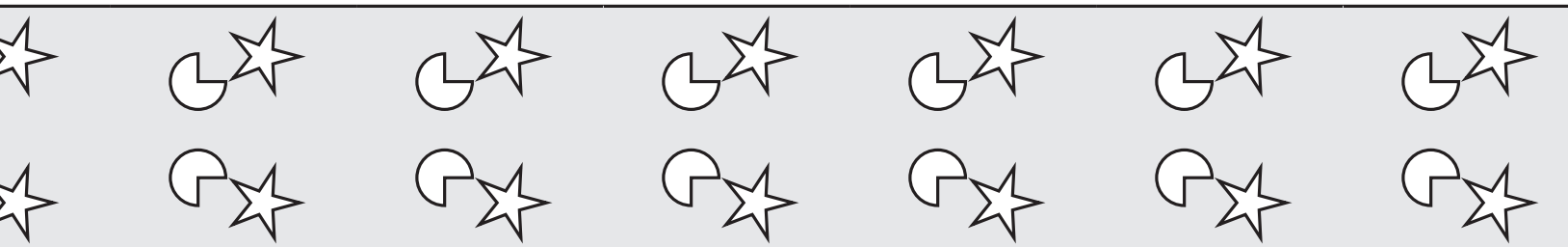
MATH V1010: Groups and Symmetry, Fall, 2003 (3, 4, 5, 1)

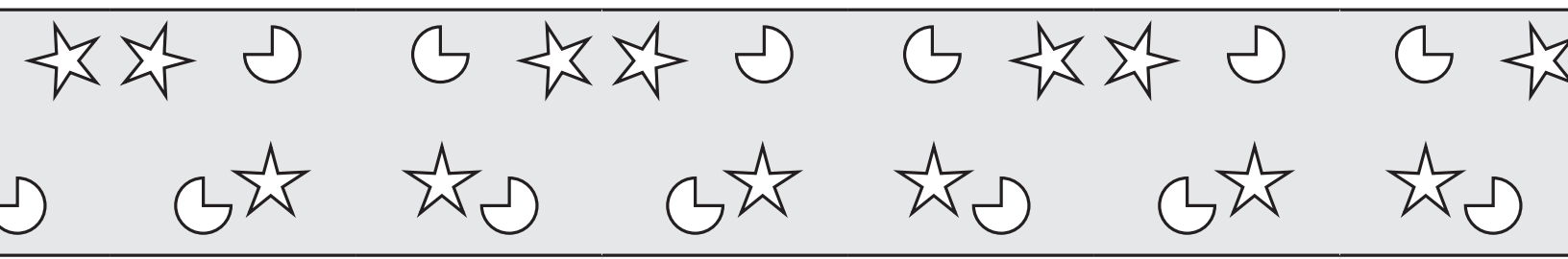
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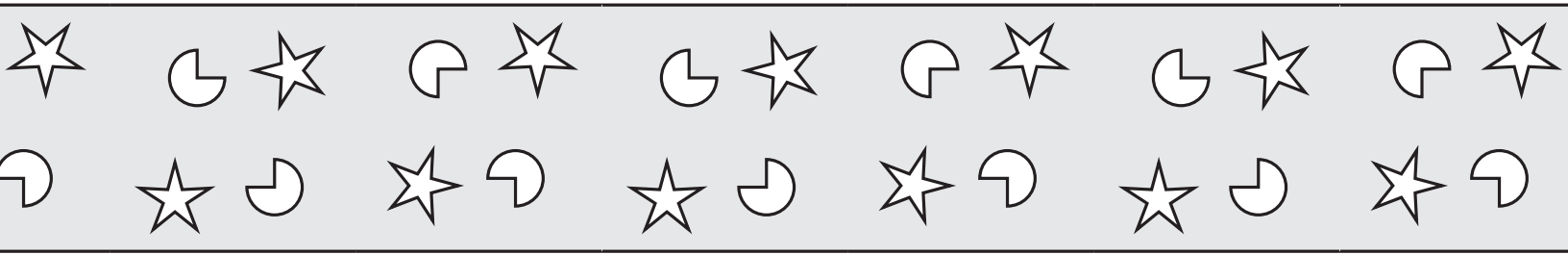
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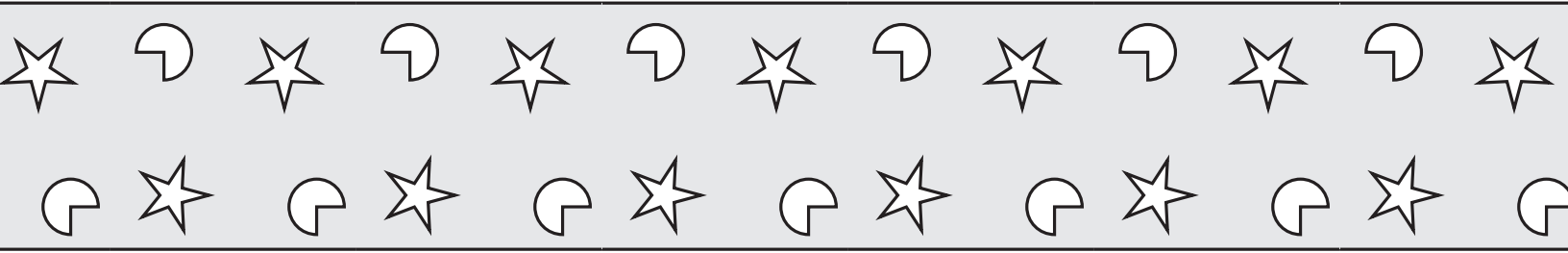
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Practice Second Exam 31

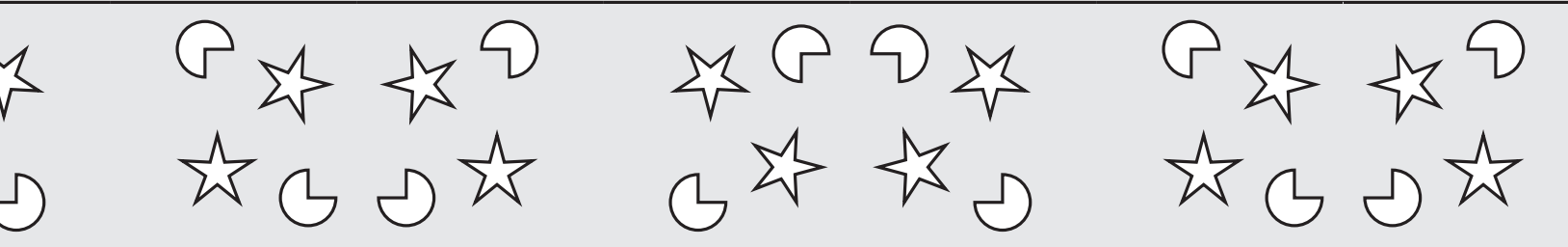
MATH V1010: Groups and Symmetry, Fall, 2003 (6, 1, 7, 2)

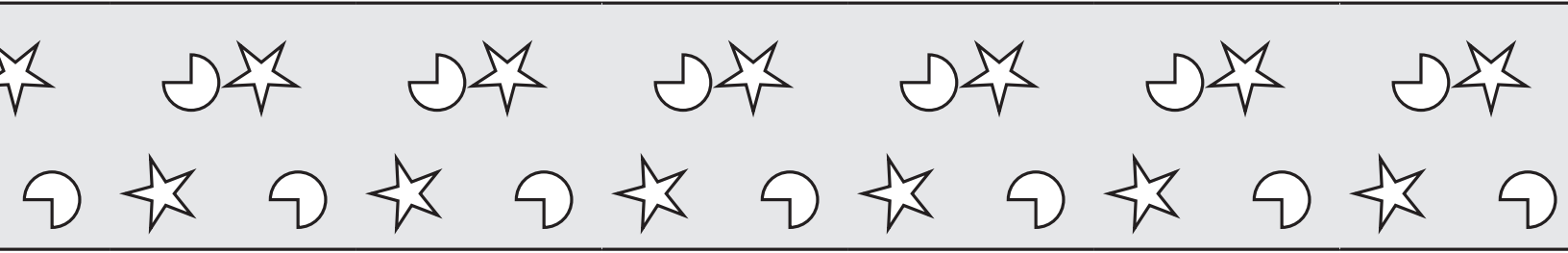
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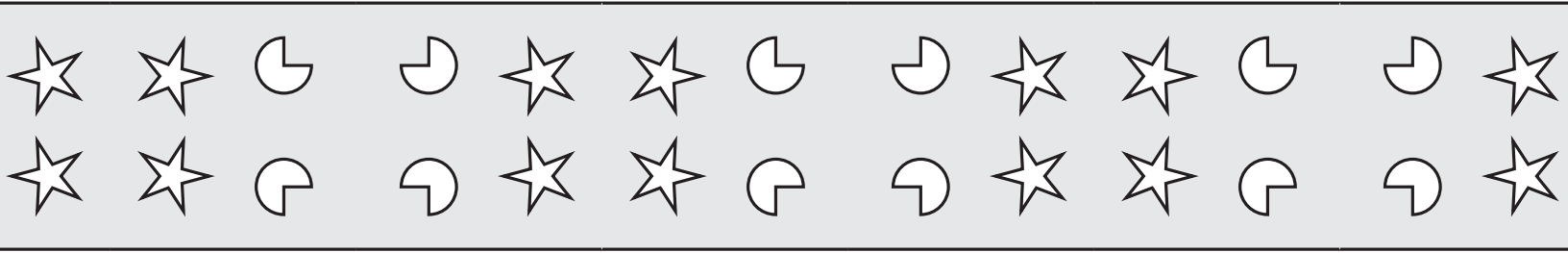
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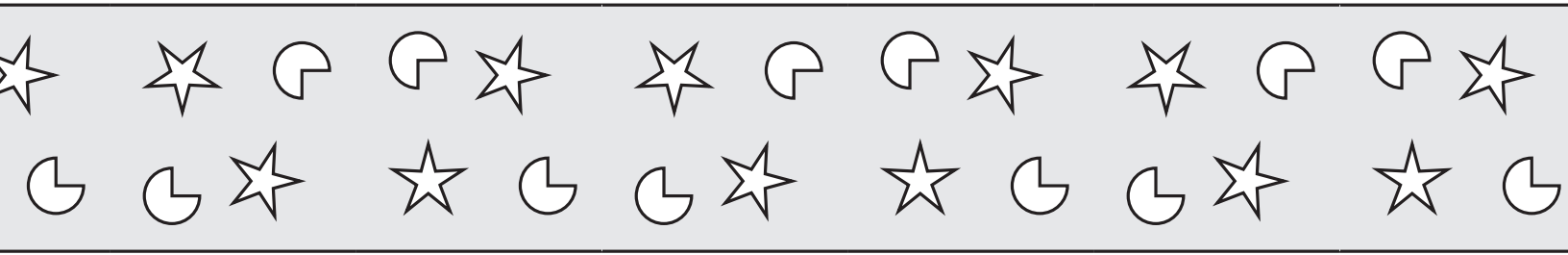
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Practice Second Exam 32

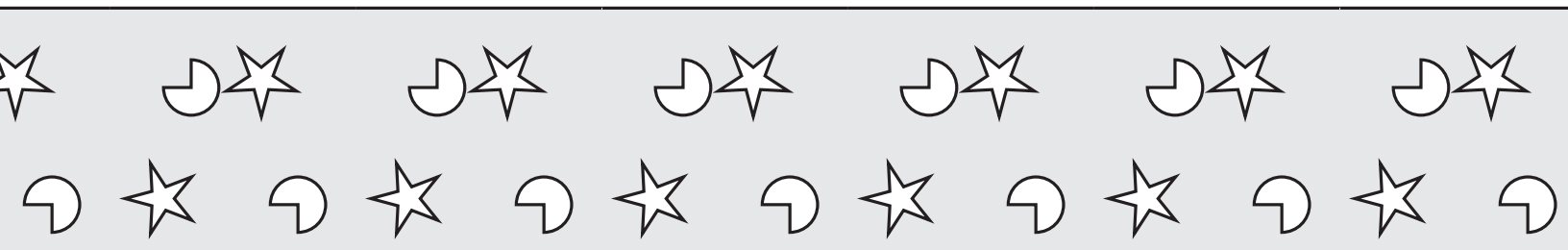
MATH V1010: Groups and Symmetry, Fall, 2003 (1, 4, 6, 7)

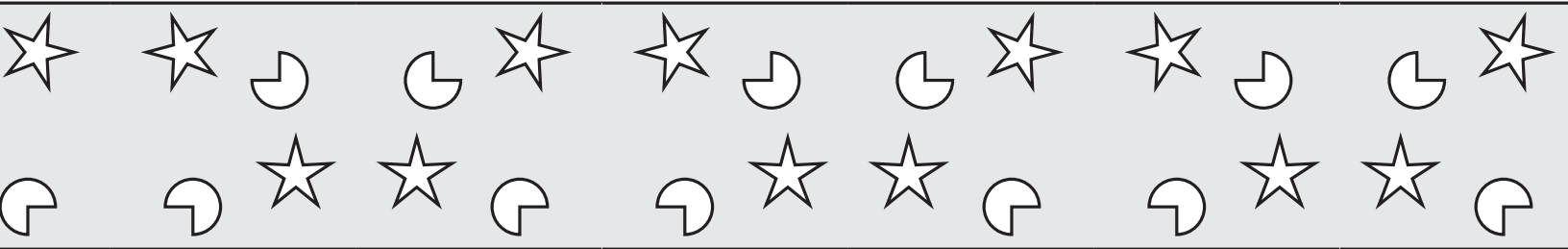
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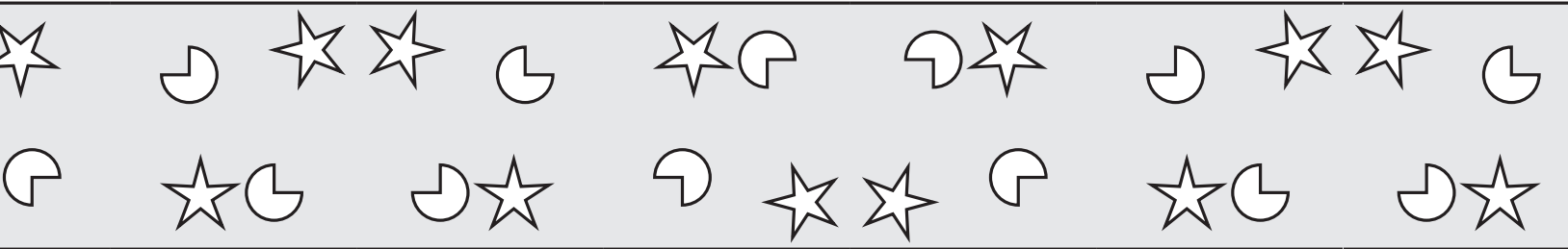
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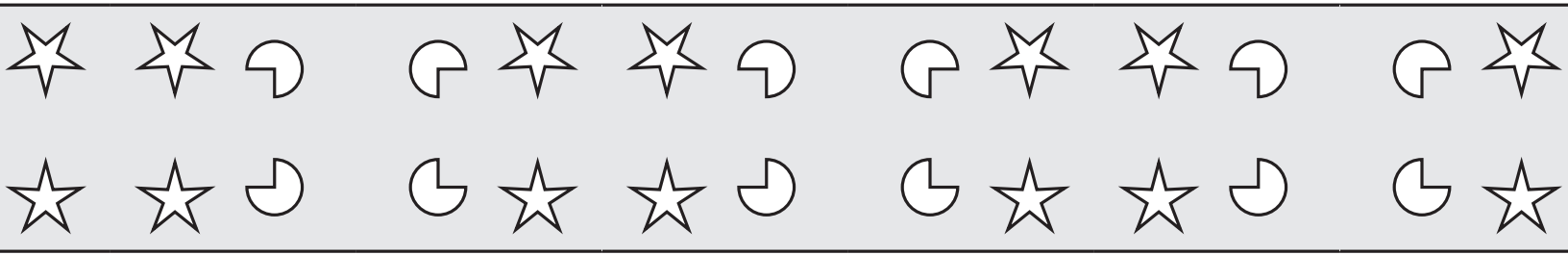
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Practice Second Exam 33

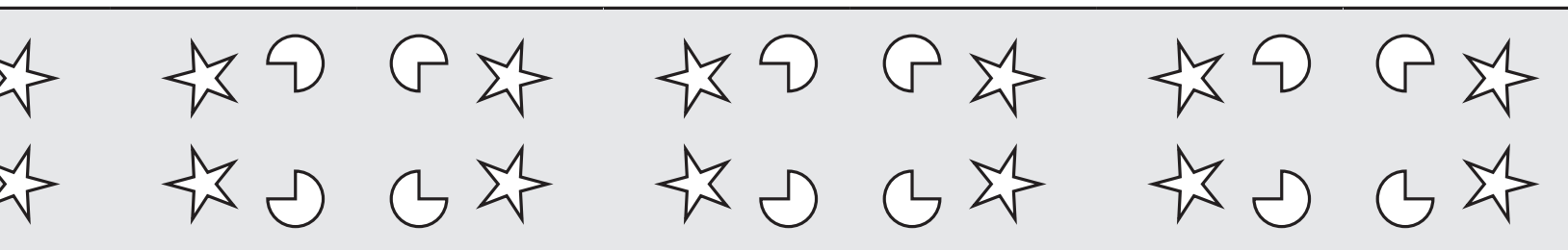
MATH V1010: Groups and Symmetry, Fall, 2003 (7, 3, 4, 5)

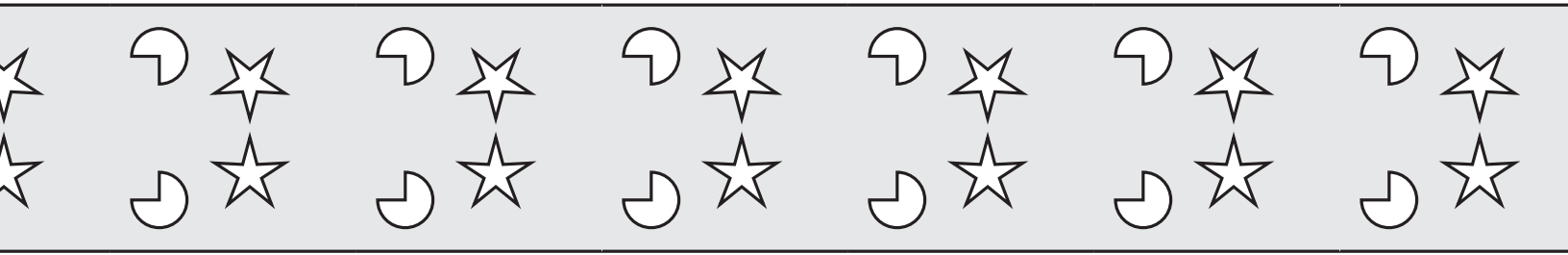
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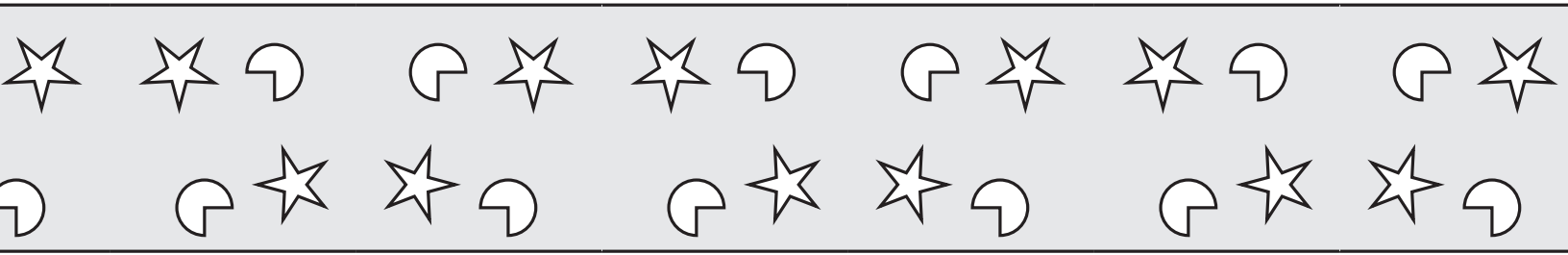
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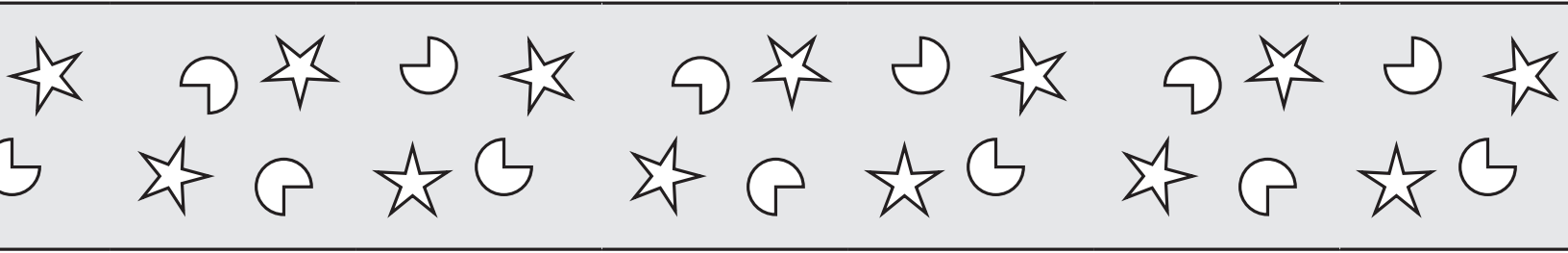
You may use scratch paper, but only these pages will be graded. Do not hand in your scratch paper.

For each strip pattern, find a fundamental domain. Find the symmetries of the pattern. Draw another strip pattern with the same symmetries, using just the letter R. Choose a set of generators for the group of symmetries. Draw enough of a Cayley diagram to show that these generators connect all copies of the fundamental domain.









Practice Second Exam 34

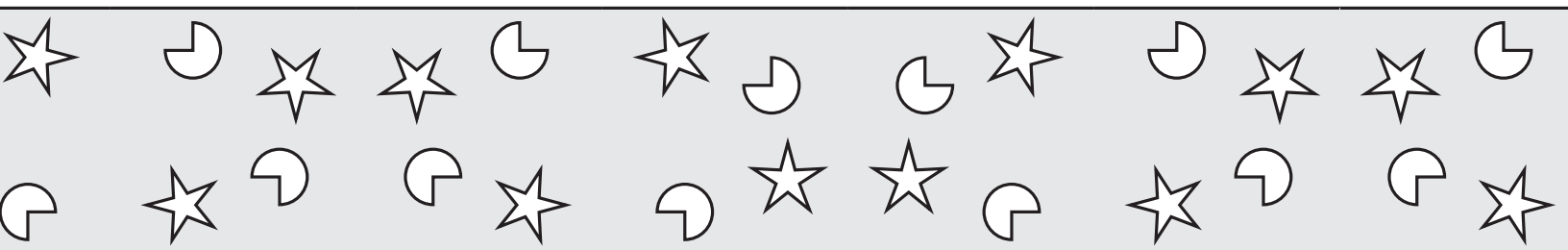
MATH V1010: Groups and Symmetry, Fall, 2003 (6, 7, 4, 3)

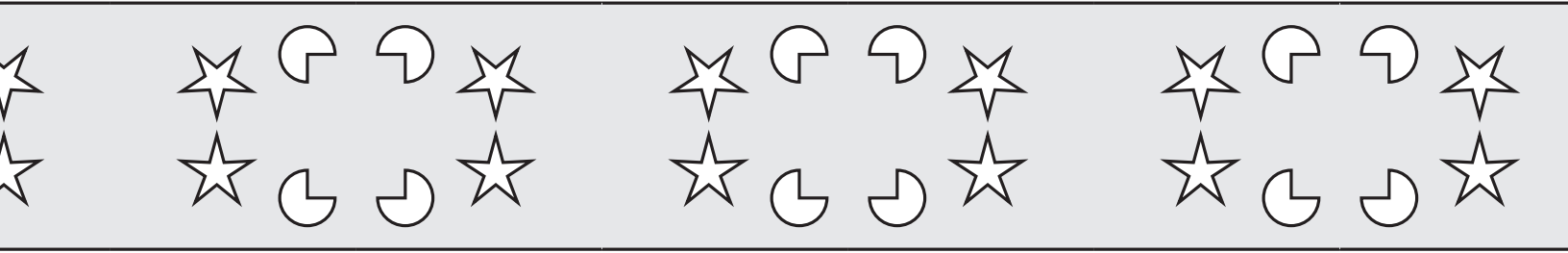
Name: _____ School: _____

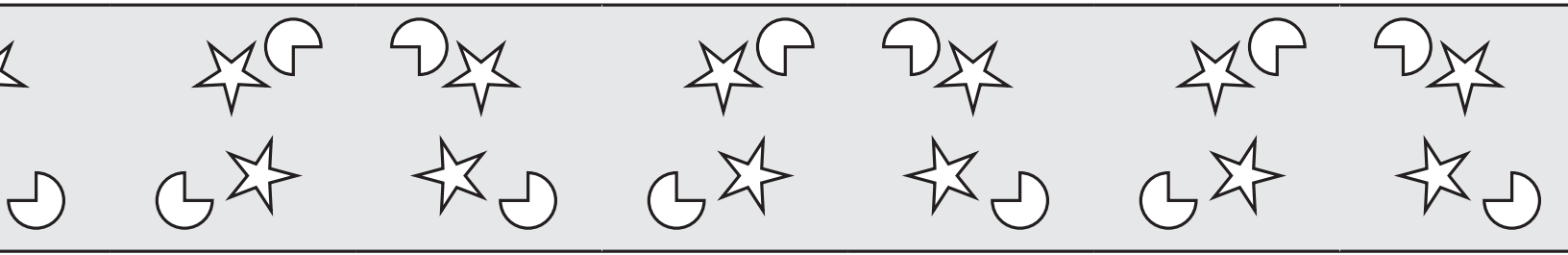
[1]	[2]	[3]	[4]	TOTAL

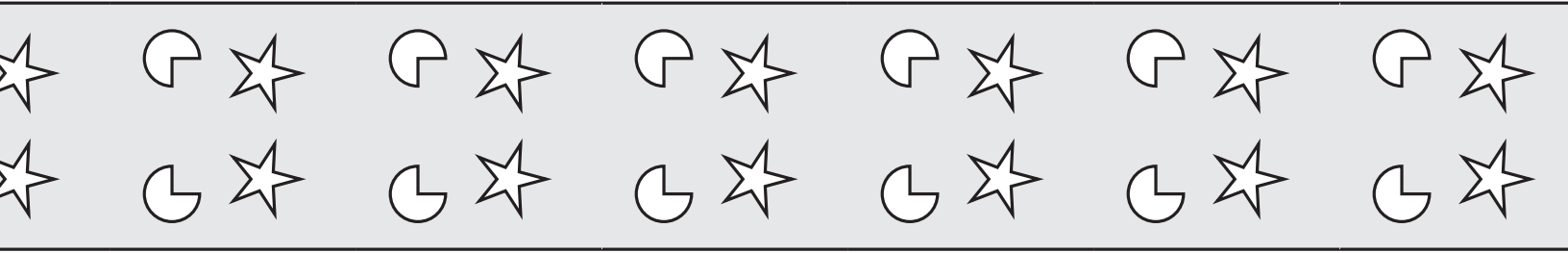
You may use scratch paper, but only these pages will be graded. Do not hand in your scratch paper.

For each strip pattern, find a fundamental domain. Find the symmetries of the pattern. Draw another strip pattern with the same symmetries, using just the letter R. Choose a set of generators for the group of symmetries. Draw enough of a Cayley diagram to show that these generators connect all copies of the fundamental domain.









Practice Second Exam 35

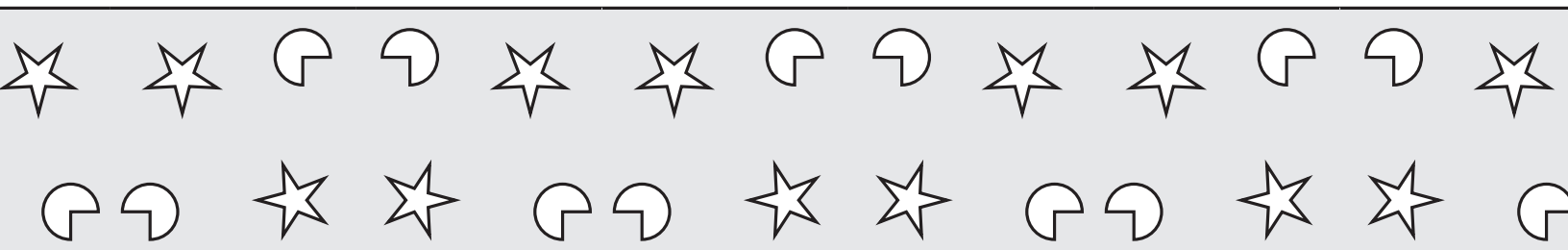
MATH V1010: Groups and Symmetry, Fall, 2003 (4, 2, 6, 1)

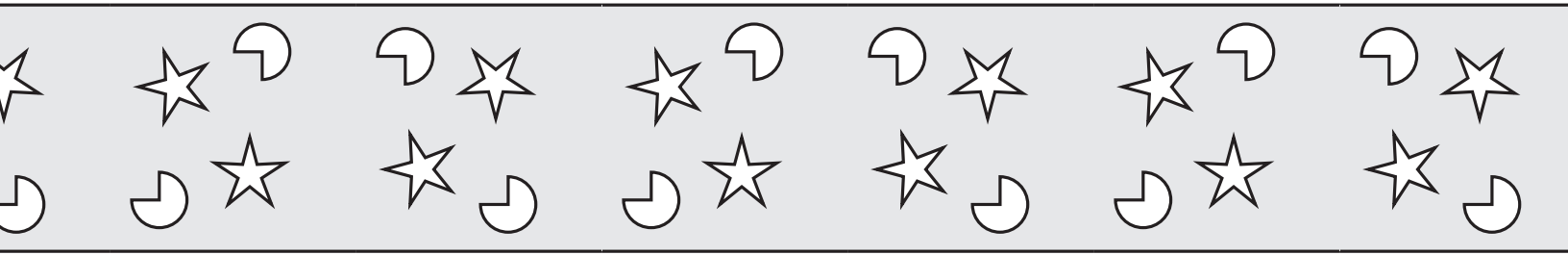
Name: _____ School: _____

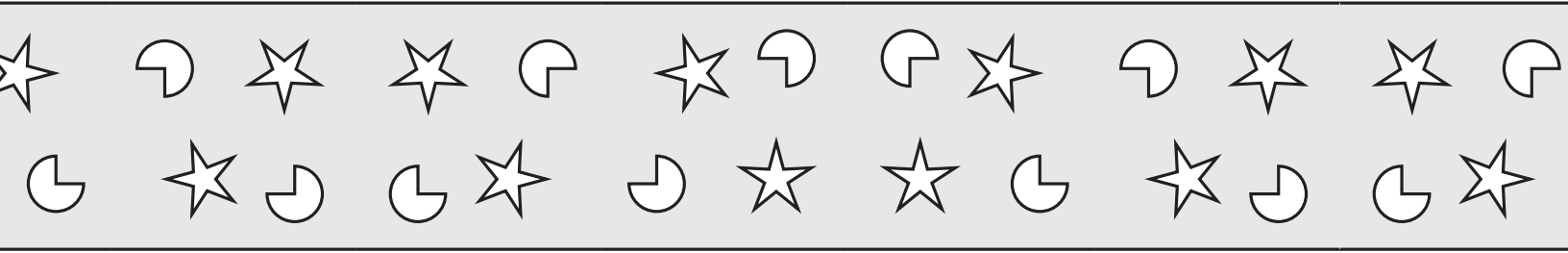
[1]	[2]	[3]	[4]	TOTAL

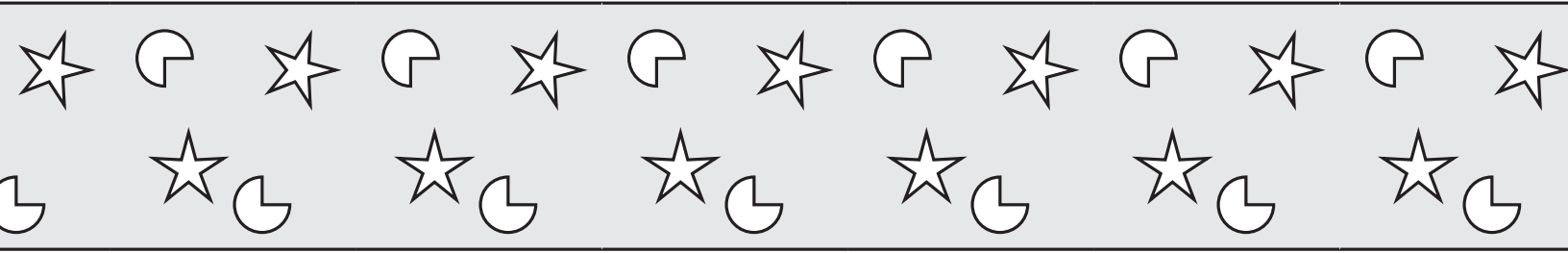
You may use scratch paper, but only these pages will be graded. Do not hand in your scratch paper.

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Practice Second Exam 36

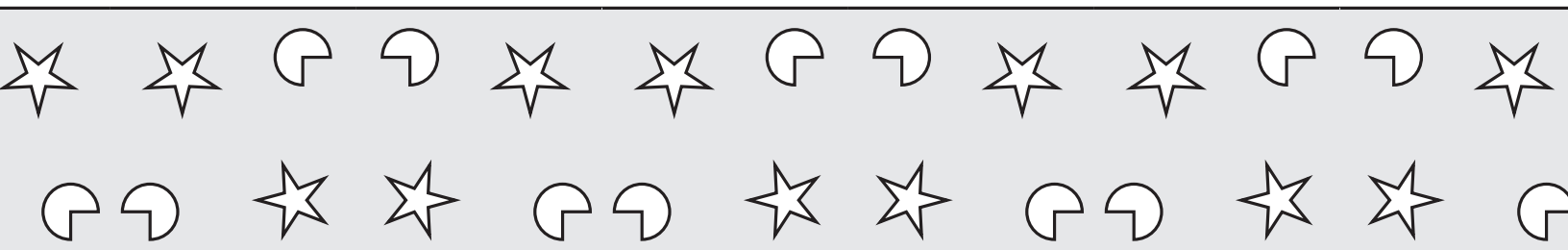
MATH V1010: Groups and Symmetry, Fall, 2003 (4, 5, 3, 2)

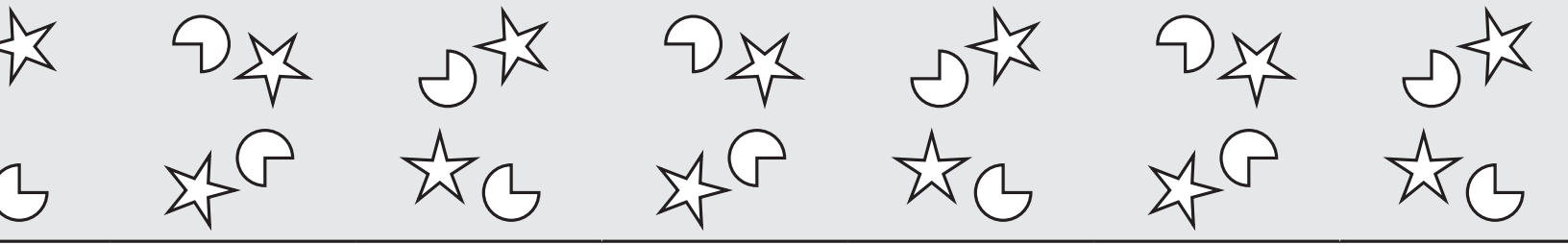
Name: _____ School: _____

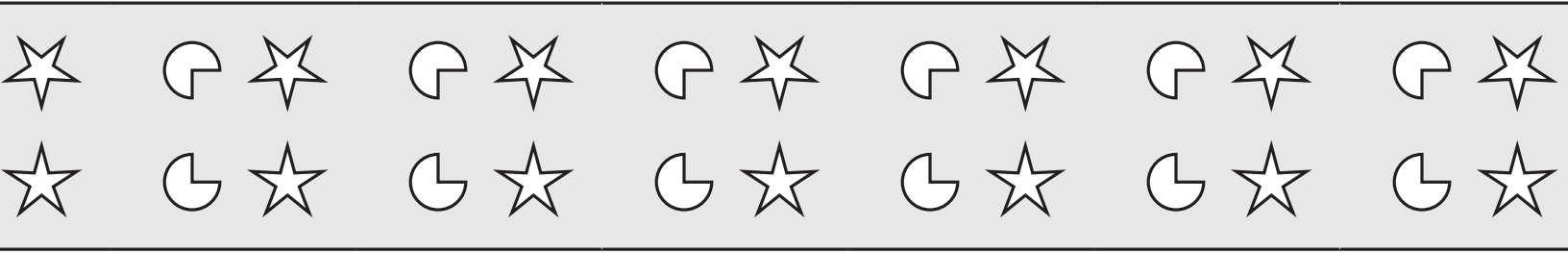
[1]	[2]	[3]	[4]	TOTAL

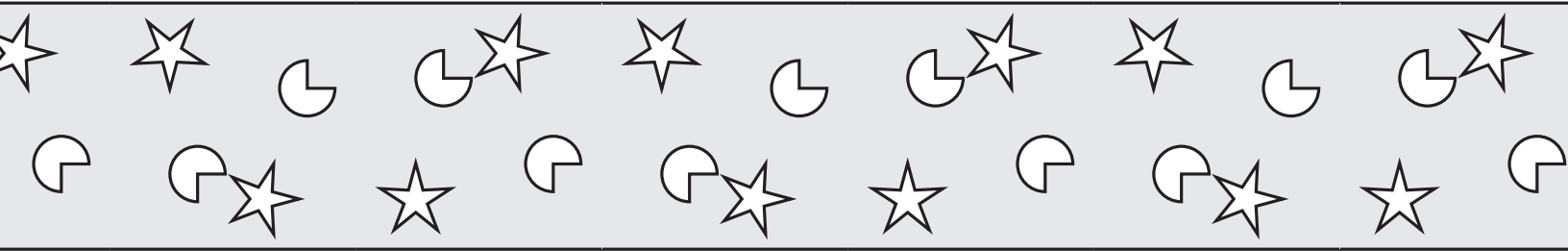
You may use scratch paper, but only these pages will be graded. Do not hand in your scratch paper.

For each strip pattern, find a fundamental domain. Find the symmetries of the pattern. Draw another strip pattern with the same symmetries, using just the letter R. Choose a set of generators for the group of symmetries. Draw enough of a Cayley diagram to show that these generators connect all copies of the fundamental domain.









Practice Second Exam 37

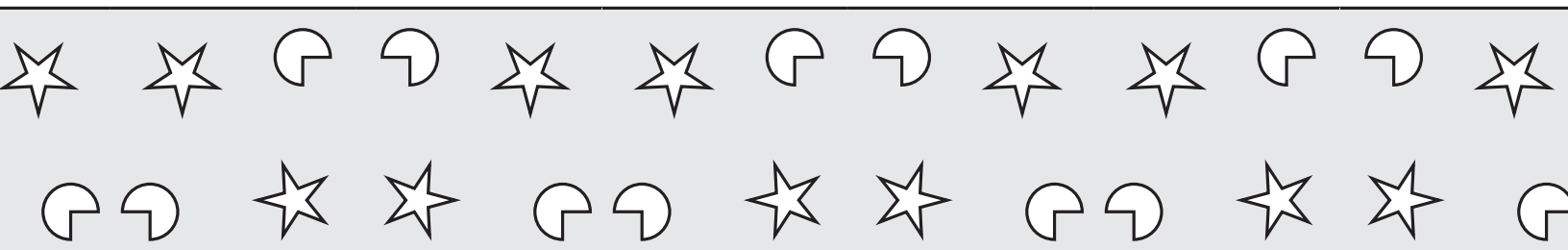
MATH V1010: Groups and Symmetry, Fall, 2003 (4, 3, 1, 5)

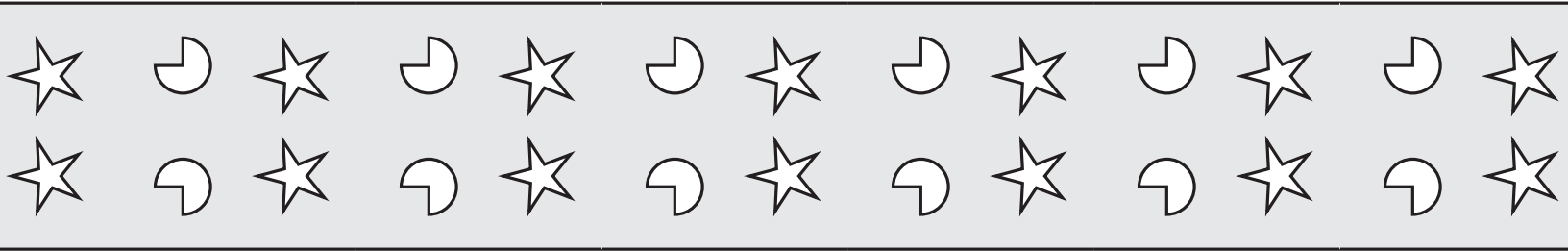
Name: _____ School: _____

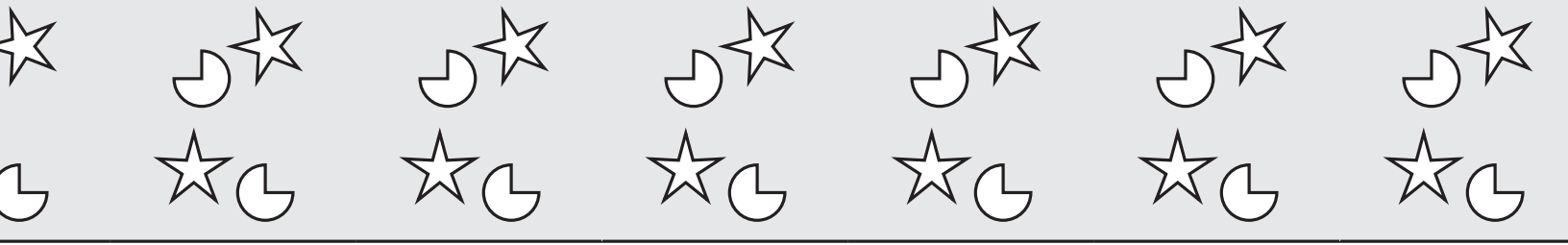
[1]	[2]	[3]	[4]	TOTAL

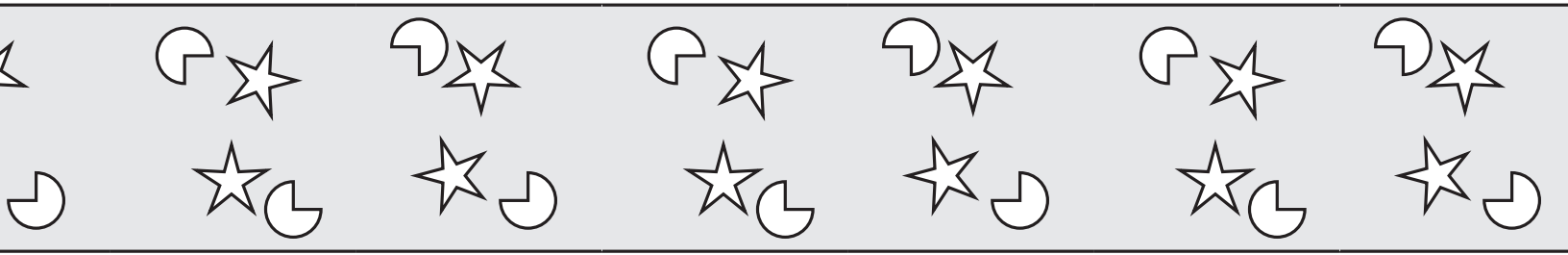
You may use scratch paper, but only these pages will be graded. Do not hand in your scratch paper.

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Practice Second Exam 38

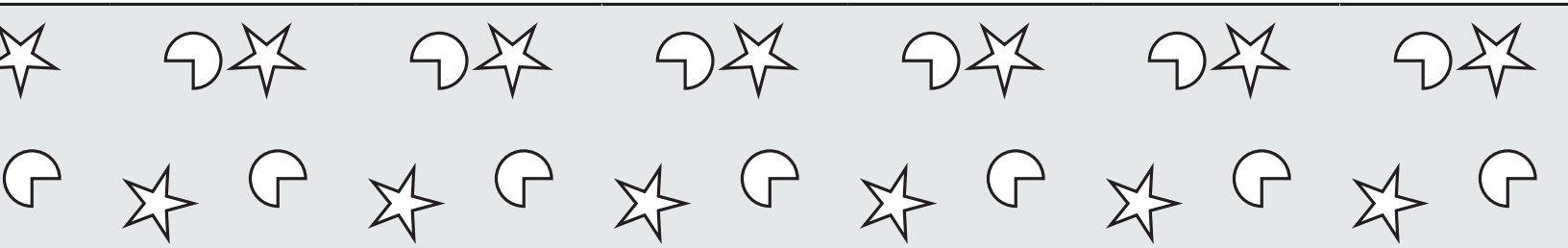
MATH V1010: Groups and Symmetry, Fall, 2003 (1, 3, 6, 7)

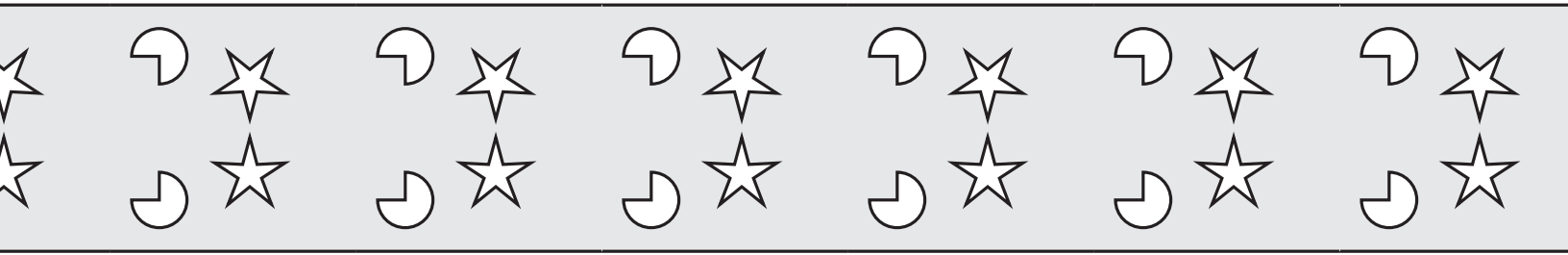
Name: _____ School: _____

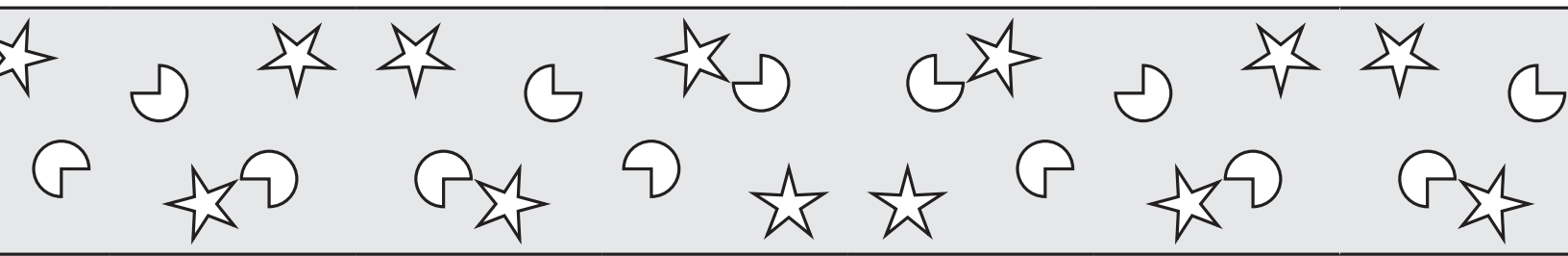
[1]	[2]	[3]	[4]	TOTAL

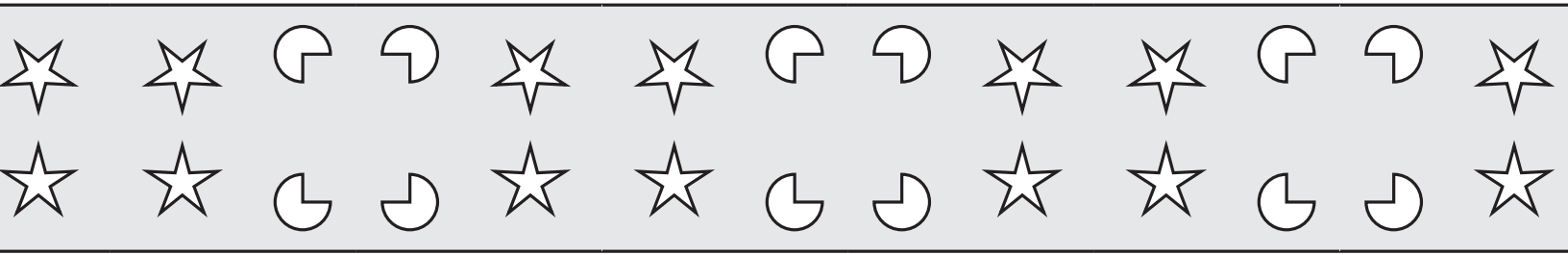
You may use scratch paper, but only these pages will be graded. Do not hand in your scratch paper.

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Practice Second Exam 39

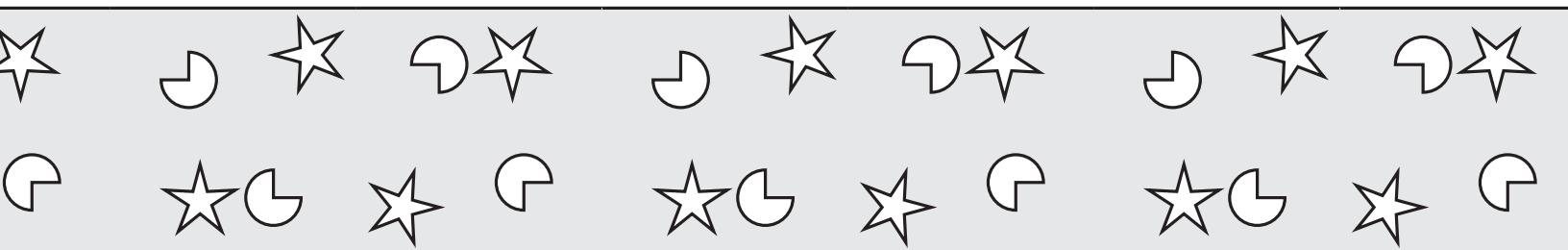
MATH V1010: Groups and Symmetry, Fall, 2003 (5, 4, 2, 1)

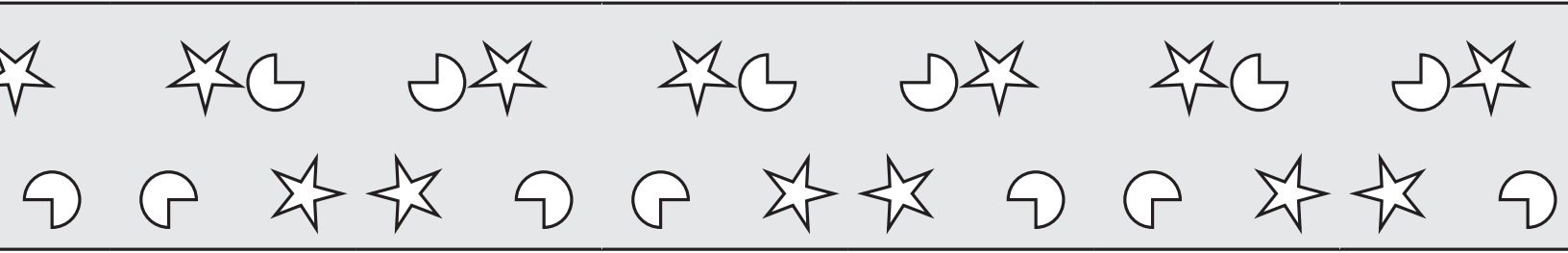
Name: _____ School: _____

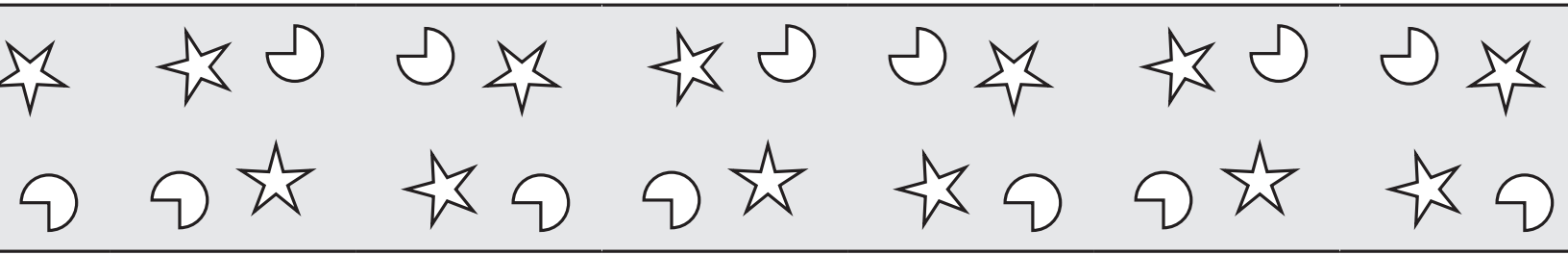
[1]	[2]	[3]	[4]	TOTAL

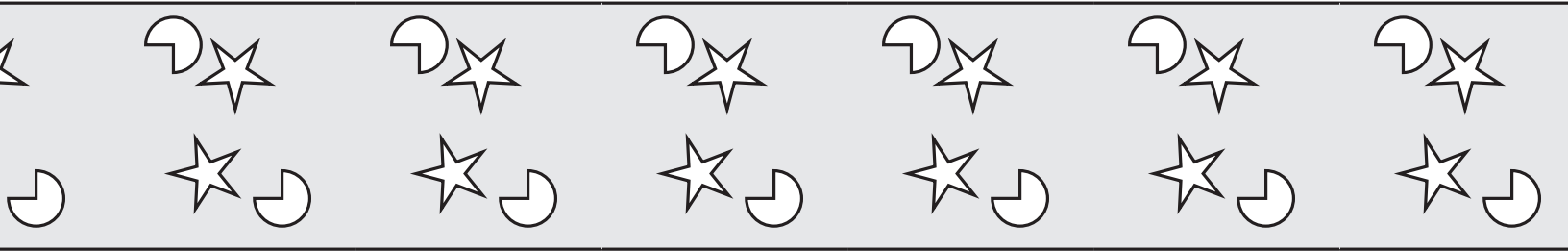
You may use scratch paper, but only these pages will be graded. Do not hand in your scratch paper.

For each strip pattern, find a fundamental domain. Find the symmetries of the pattern. Draw another strip pattern with the same symmetries, using just the letter R. Choose a set of generators for the group of symmetries. Draw enough of a Cayley diagram to show that these generators connect all copies of the fundamental domain.









Practice Second Exam 40

MATH V1010: Groups and Symmetry, Fall, 2003 (4, 6, 3, 2)

Name: _____ School: _____

[1]	[2]	[3]	[4]	TOTAL

You may use scratch paper, but only these pages will be graded. Do not hand in your scratch paper.

For each strip pattern, find a fundamental domain. Find the symmetries of the pattern. Draw another strip pattern with the same symmetries, using just the letter R. Choose a set of generators for the group of symmetries. Draw enough of a Cayley diagram to show that these generators connect all copies of the fundamental domain.

