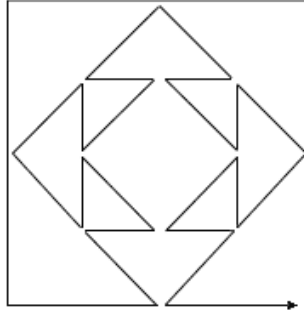


Advanced Logic Worksheet Solutions

TRACING LINES:



GEARS:

Gears A and D rotate at the same speed. Gears of equal size will rotate at constant speeds irrespective of smaller or larger gears in between them.

MISSING SYMBOL:



Each symbol is associated with another's position; this upside-down spade is always to the left of a right-side-up heart.

FOUR TRACKS:

In $\frac{1}{3}$ of an hour (20 minutes), they travel $\frac{1}{3}$ of a mile 6, 9, 12, and 15 times. The largest number these numbers are all divisible by is 3. They return to their original positions 3 times in 20 minutes: after $6\frac{2}{3}$, $13\frac{1}{3}$, and 20 minutes.

SUDOKU CHALLENGE:

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



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