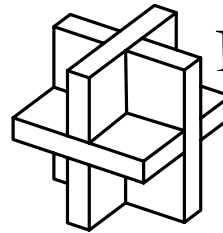


# Adalogical Ænigmas

No. 24



Pavel's Puzzles

High-quality mechanical and logic puzzles, direct from the designer!

<http://www.pavelpuzzles.com>

Help support the Adalogical Ænigmas:  
[www.patreon.com/aenigmas](http://www.patreon.com/aenigmas)



Gentle solver,

Throughout the course of *history*, it seems, we humans have regarded mirrors with suspicion and fear, rendering them *fraught* with emotion. In myth, Narcissus angers the gods and is captured by the mirror surface of a pool. The Chinese believed that behind every mirror lies a different world, full of strange and *frightening* creatures. Even today, many people worry that breaking a mirror will bring them *years* of bad luck.

Naturally, I myself am interested in mirrors only for their wonderful physical properties, which I hope you'll explore with me in the present ænigma.

In the grid below, please place a single, *double-sided* mirror along a diagonal of exactly *one* square within each boldly outlined *region*. Around the outside of the grid, I've placed a variety of letter/number *pairs* to help guide your placements; note that there are *two* copies of each specific pair. A beam of light, shone directly into the grid from a given pair, will bounce off any mirrors in its path and must then emerge at the *other* copy of that pair, elsewhere around the grid edge. The number in that pair dictates *precisely* how many mirror *faces* the beam will reflect off of along its path.

Once you've completed your grid, you may move on to finding the final answer to my ænigma. Simply read the letters under the mirrors, left to right and top to bottom, either *advancing* the letter one place in the alphabet (wrapping around from Z to A if necessary) if the top of the mirror leans to the *right*, or moving it *backwards* one place if the mirror leans to the *left*. Doing so will reveal a clue to your final answer.

Good luck!

*Ada*

**Example**

A2	Q	W	E	R	S	F	M	
B4	E	H	W	M	R	E	I	
C1	E	Y	F	T	R	F	L	B4
D2	B	R	U	T	N	I	D	
E5	S	H	O	N	R	G	O	
D2	E	R	U	J	U	H	T	
D2	V	O	D	P	U	T	X	
A2	F2	F2	E5	C1				

↓

A2	Q	W	E	R	S	F	M	
B4	E	H	W	M	R	E	I	
C1	E	Y	F	T	R	F	L	B4
D2	B	R	U	T	N	I	D	
E5	S	H	O	N	R	G	O	
D2	E	R	U	J	U	H	T	
D2	V	O	D	P	U	T	X	
A2	F2	F2	E5	C1				

**Answer:**  
**REFLECTIVITY**

Need assistance with Ada's ænigma? Hints and other help are available at [www.pavelpuzzles.com/aenigmas/24](http://www.pavelpuzzles.com/aenigmas/24)

	A14	B4	C2	D3	E7	B4	F4	G3	H2	H2	I5	J8	K1	L3	M2	N3	O1	P11							
D3	T	R	D	N	N	P	B	S	A	U	L	F	N	E	V	R	N	E	E	P	E	M	O	U	V
Q2	R	R	P	Y	E	P	Q	T	M	O	L	E	T	E	T	H	R	E	E	U	F	I	V	E	T
E7	E	O	F	I	T	O	B	S	Y	R	U	I	O	T	E	E	R	H	T	F	T	R	T	W	O
G3	A	E	V	O	H	R	S	A	R	O	G	V	E	E	N	E	V	R	E	I	W	F	W	S	P
R3	T	N	E	J	I	I	M	W	N	T	U	S	R	S	T	T	V	E	T	V	O	I	O	S	O
	U	A	L	P	H	A	F	A	M	T	N	J	M	W	B	U	O	F	E	Z	E	G	Q	F	O
Q2	O	E	H	T	A	N	N	I	W	D	F	O	E	R	H	S	Z	H	K	F	R	R	E	J	
S4	E	E	H	T	P	U	U	G	F	R	T	I	D	W	N	T	W	T	O	T	W	O	I	S	E
T2	F	O	R	F	C	E	M	H	O	Q	H	O	O	W	R	E	F	T	S	I	V	D	N	S	
	H	O	E	L	I	T	E	F	V	U	B	E	E	D	G	E	O	F	F	E	V	T	A	E	R
U3	U	O	E	N	F	R	N	O	E	T	R	M	F	F	O	G	E	E	O	N	E	T	S	H	R
V5	R	O	T	Z	X	H	E	U	T	F	I	N	V	P	O	U	F	R	F	S	E	H	A	E	V
S4	C	F	N	E	E	T	R	H	M	T	L	U	R	E	U	X	I	L	C	I	J	T	T	M	T
P11	I	H	H	R	E	R	E	H	W	H	T	M	H	F	R	I	V	E	E	W	V	E	F	W	A
	F4	b2	d2	d2	R3	e4	J8	V5	Z3	e4	C2	f2	U3	f2	Y3	M2	b2	X3	W5	a3	A14				

Fill in your answer and submit it along with an order from Pavel's Puzzles for **10% off that entire order!**  
(Limit one per solver. Offer available through 10/31/2015.)