

FENGHUANG SOLUTION – AVIATORS

Edges of polygons can be matched up (forming a 3-dimensional egg) by pairing words that can each be paired with a specific bird to make two new phrases. On each polygon with a mathematical operation given, exactly one clue word refers not to a bird but makes half of a crossword-type clue (thus, each mathematical operation is used exactly one). The answers to each of these clues is the name of a Fabergé egg (flavortext mentions such as "imperious" and "treasure" allude to this). Order the egg names by year and apply the associated math steps to those years. The resulting numbers can be split into alphanumeric letter pairs spelling ANSWER IS AVIATORS.

SPREAD	LEGAL	EAGLE	ICHABOD	FRASIER	CRANE
LAKE	DIVE	SWAN	BRIEF	CROSSING	PELICAN
ATTICUS	ZEBRA	FINCH	HOOD	GOODFELLOW	ROBIN
TALK	TROT	TURKEY	LAME	SITTING	DUCK
CAPITALIST	CULTURE	VULTURE	BOOKS	PITTSBURGH	PENGUIN
CLAY	STOOL	PIGEON	SPLITTER	COMMUTER	RAIL
SHORT	STEVE	MARTIN	LONESOME	TURTLE	DOVE
SHUTTLE	POPPY	COCK	YELLOW	ISLANDS	CANARY
KITTY	HUDSON	HAWK	FRANCIS	BELL	DRAKE
MOTHER	BUMPS	GOOSE	WHOLE	SWORD	SWALLOW
RICHELIEU	NUMBER	CARDINAL	MIDWICH	CLOCK	CUCKOO
PECKED	PARTY	HEN	FINGERS	SCRATCH	CHICKEN
WOODSY	NIGHT	OWL	MALTESE	MILLENNIUM	FALCON
BAR	EATING	CROW	PINK	LAS VEGAS	FLAMINGO
THRONE	NETWORK	PEACOCK	GATSBY	WALKING	JAY
TRAP	PRIZE	BOOBY	TAYLOR	BOAT	SWIFT

DA VINCI	ERA	RENAISSANCE	1894	- 70	/ 16	114	AN
MOVIE	SLED	ROSEBUD	1895	+ 12	+ 16	1923	SW
PURE	QUARTZ	ROCK CRYSTAL	1896	/ 3	- 114	518	ER
LOOPING	INTERCHANGE	CLOVER LEAF	1902	+ 17	- 1000	919	IS
PILLAR	ROW	COLLONADE	1910	+ 42	/ 16	122	AV
FRIGID	SEASON	WINTER	1913	-111	/ 2	901	IA
TILED	ARTWORK	MOSAIC	1914	+ 45	+ 56	2015	TO
STAR	GROUP	CONSTELLATION	1917	+ 2	-100	1819	RS