

**ACROSS**

- 1 Catholic guy with the hat
- 5 Set of points within a fixed distance of a given point
- 9 Physiques, slangily
- 13 Berkeley Qualls are of this form
- 14 Río contents
- 15 "How \_\_\_ Your Mother"
- 16 \_\_\_logy (Chinese studies)
- 17 Rising and falling of the voice
- 18 No longer green
- 19 Self-worth?
- 21 Nickelodeon animated series currently undergoing a live-action reboot, in brief
- 22 World's most cited author?
- 23 June, July, and August in Normandy
- 24 Stroked on the head
- 26 Two-player game whose winning strategy involves bitwise XOR
- 27 What should proverbially be done on the side of caution
- 28 "We live in a \_\_\_"
- 29 Praise for some Star Wars villains?
- 32 f such that hf = gf implies h = g
- 33 \_\_\_-Schreier theory
- 34 "O Brother, Where \_\_\_ Thou?"
- 36 Liquid cushioning the brain, for short
- 38 Actor Daniel \_\_\_ Kim
- 40 Greenest pasture?
- 44 Site of the Iran hostage crisis
- 45 Pirate noise
- 46 Where, to Caesar
- 49 Con \_\_\_ (musical direction meaning "fiery")

- 50 The combo of drums, piano, and double bass, in jazz
- 52 Non-imaginary part of exp(i theta)
- 53 "Huh, really?"
- 54 Butter-making lesson?
- 57 Rapper Wayne or Nas X
- 58 Recover some HP
- 59 Buffy the Vampire Slayer's lover
- 60 After-school activities, for short
- 61 Non-actively
- 62 What should be exchanged for itself, according to Hammurabi

**DOWN**

- 1 Nonnegative, to the French (0 included!)
- 2 Art form whose mathematical principles are encoded in the Huzita–Justin axioms
- 3 Comic book unit
- 4 Rich guy with the social media platform
- 5 2024 poker-themed indie roguelike whose title translates to "jester"
- 6 Quick on one's feet
- 7 Certain stylish lemon
- 8 Louise Glück or Benjamin Zephaniah, as of 2023
- 9 Sharing a function field
- 10 Common one-word "proof"
- 11 Empty
- 12 \_\_\_-state distribution
- 19 Lyrical contraction
- 20 A rhombicosidodecahedron has 60 of them
- 25 More irritating and bitter
- 27 6th sense

	1	2	3	4		5	6	7	8		9	10	11	12					
	P	O	P	E		B	A	L	L		B	O	D	S					
	13	O	R	A	L		14	A	G	U	A		15	I	M	E	T		
	16	S	I	N	O		17	L	I	L	T		18	R	I	P	E		
19	E	I	G	E	N		20	V	A	L	U	E		21	A	T	L	A	
22	E	T	A	L			23	E	T	E		24	P	A	T	T	E	D	
26	N	I	M		27	E	R	R		28	S	O	C	I	E	T	Y		
	29	F	I	R	S	T	O	R	D	E	R	O	D	E					
				32	E	P	I		33	A	R	T	I	N					
	34	A	R	T			36	C	S	F			38	D	A		39	E	
	40	P	E	R		41	F	E	C	T		42	F	I	E	L	D		
44	E	M	B	A	S	S	Y			45	A	R	R			46	U	B	I
49	F	U	O	C	O			50	T	R	I	O				52	C	O	S
53	I	S	I	T			54	C	H	E	R	N		55	C	L	A	S	S
57	L	I	L				58	H	E	A	L			59	S	A	T	S	U
60	E	C	S				61	I	D	L	Y			62	A	N	E	Y	E

- 28 Abbr. for a certain type of covering subset, a.k.a. a transversal, involved in Hall's Theorem
- 30 What one ought to do with a paper containing false results
- 31 Toast, in kitchen slang
- 34 High school exam involving a sight-singing portion
- 35 Causes to bubble once more
- 37 Created some sheaves?
- 39 Enlighten
- 41 State department member responsible for implementing US policies overseas, for short
- 42 Reasonably

- 43 Lightest element inducing an endothermic, rather than exothermic, reaction via stellar nucleosynthesis
- 44 How most people submit their taxes nowadays
- 47 Overbearing
- 48 Subset of a volume?
- 51 Fixed by conjugation
- 54 Character letter?
- 55 Abbr. important in the theory of both reductive groups and Brauer groups, though standing for something different in each case
- 56 Interconnected web of devices usually confined to a single building, in brief

Solutions and archive:  
<https://math.berkeley.edu/~cjdowd/crosswords.html>