

# 2015 Team Scramble Answer Key

50,869	1	$8 - 4\sqrt{2}$	26	$6 + 6\sqrt{3}i$	51	$36\sqrt{3}$	76
22,100	2	$\frac{8\sqrt{17}}{3}$	27	33	52	$\frac{1331}{32}$	77
14	3	27	28	$\frac{38}{3}$	53	-27	78
$4.369 \times 10^8$	4	$-26i + 30$	29	236,292	54	125,492	79
3	5	3	30	128,240	55	12	80
$15 - 3\sqrt{19}$ (any order)	6	500	31	$\frac{611}{495}$	56	23,432	81
1,940	7	720	32	379	57	144	82
BCAD	8	1,175 (base 10)	33	$\frac{200}{9}$	58	2,585	83
$-40f^2 - 6f + 34$ (any order)	9	15,210 (base 8)	34	22	59	6,084	84
85	10	23	35	(569, -87)	60	552	85
$-\frac{2}{3}, 3$ (any order)	11	8	36	161	61	$\frac{2}{5}$	86
20	12	546	37	$\left\lceil \frac{16D}{L} \right\rceil$ or $\frac{16D}{L}$	62	$\frac{1}{3}$	87
(28,0)	13	5,349	38	(17, -19, 13, -6)	63	$\frac{1}{3}$	88
(-21,166)	14	144	39	660	64	4	89
$x = 4$	15	355	40	124	65	78	90
(-942, -7)	16	496	41	$\frac{512\sqrt{2}}{3}$	66	-1,028	91
(0, -13)	17	$\frac{3}{7}$	42	$\frac{3+\sqrt{649}}{4}$	67	352	92
20	18	18,900	43	$(29 - 16\sqrt{3})\pi$	68	Myron, Freddy, Ice Cream (any order)	93
$17\sqrt{110}$	19	41	44	$\sqrt{59}$	69	Z, Y (any order)	94
$6\sqrt[4]{12}$	20	5	45	$724\pi$	70	$\sqrt{37}$	95
7,646	21	24	46	12	71	$\frac{13}{2}$	96
$8\sqrt{3}$	22	18	47	136	72	$\frac{7\pi}{2}$	97
Pentagon	23	20	48	$(3, \sqrt{78} - 1)$	73	$\frac{2 \ln 3}{3}$	98
343	24	$\frac{17}{18}$	49	$200\pi$	74	$\frac{8}{3}$	99
$\frac{55}{3}$	25	$\frac{2\pi}{3}$	50	2, 4 (any order)	75	$\frac{633}{5}$	100