

2014 Ciphering Time Trials
Answer Key

1.	P	1	16.	924	16
2.	{3, 9, 15, 18}	2	17.	$30.25\pi, 30\frac{1}{4}\pi$ or $\frac{121\pi}{4}$	17
3.	9	3	18.	20	18
4.	466	4	19.	-4	19
5.	$\frac{20DK}{N}$	5	20.	$37.5\sqrt{2}, 37\frac{1}{2}\sqrt{2}$ or $\frac{75\sqrt{2}}{2}$	20
6.	98	6	21.	(4, -1)	21
7.	4	7	22.	$4.\bar{6}$ or $4\frac{2}{3}$ or $\frac{14}{3}$	22
8.	$.\bar{1}$ or $\frac{1}{9}$	8	23.	$4\sqrt{13}$	23
9.	$-.92$ or $-\frac{23}{25}$	9	24.	151	24
10.	$.4$ or $1\frac{2}{5}$ or $\frac{7}{5}$	10	25.	73	25
11.	2,806	11	26.	174	26
12.(mixed/dec. OK)	$(\frac{95}{14}, \frac{8}{7})$	12	27.	7	27
13.	9,996	13	28.	125	28
14.(mixed/dec. OK)	$(\frac{5}{2}, \frac{9}{2}, \frac{17}{2})$	14	29.	11	29
15.	1,500	15	30.	10,088	30