

2018 Ciphering Time Trials  
Answer Key

1.	$93.75$ or $93\frac{3}{4}$ or $\frac{375}{4}$	<b>1</b>	16.	$(4, -9)$	<b>16</b>
2.	$y = 4x - 23$	<b>2</b>	17.	$7\frac{7}{29}$ or $\frac{210}{29}$	<b>17</b>
3.	$2^3 \cdot 3^3 \cdot 5 \cdot 11$	<b>3</b>	18.	$121\pi$	<b>18</b>
4.	$(5, 11)$	<b>4</b>	19.	3	<b>19</b>
5.	$3\sqrt[3]{20}$	<b>5</b>	20.	128	<b>20</b>
6.	11	<b>6</b>	21.	$4\sqrt{371}$	<b>21</b>
7.	16	<b>7</b>	22.	-423	<b>22</b>
8.	$.4375$ or $\frac{7}{16}$	<b>8</b>	23.	(Equilateral, Isosceles)	<b>23</b>
9.	$266.\bar{6}$ or $266\frac{2}{3}$ or $\frac{800}{3}$	<b>9</b>	24.	1021	<b>24</b>
10.	$1.\bar{3}$ or $1\frac{1}{3}$ or $\frac{4}{3}$	<b>10</b>	25.	26	<b>25</b>
11.	$.5$ or $\frac{1}{2}$	<b>11</b>	26.	10	<b>26</b>
12.	$.36328125$ or $\frac{93}{256}$	<b>12</b>	27.	$\frac{25\pi\sqrt{2}}{2}$	<b>27</b>
13.	13	<b>13</b>	28.	$(25, -1854)$	<b>28</b>
14.	$10\pi$	<b>14</b>	29.	$\frac{3\sqrt{13}}{13}$	<b>29</b>
15.	$(11, 17)$	<b>15</b>	30.	51	<b>30</b>