

2006 Pizitz Mathematics Tournament  
Eighth Grade Ciphering

Answers	
1-1	24
1-2	$\frac{30}{29}$
1-3	264 (sq. in.)
1-4	$\frac{30}{121}$
1-5	-4
2-1	16
2-2	101101 or 101101 <sub>2</sub>
2-3	$\frac{3}{5}$ or 3:5
2-4	6
2-5	5, x=5, or {5}
3-1	\$31.40
3-2	15 (cm)
3-3	8, x = 8 or {8}
3-4	8
3-5	99
4-1	98
4-2	0 or 0 $\pi$
4-3	-5
4-4	2(3x+1)(3x-1) or 2(3x-1)(3x+1)
4-5	$3.15 \times 10^5$
Ex1	125,000,000 (cm <sup>3</sup> )
Ex2	-2
Ex3	$\frac{2}{35}$