


















Contents:

Characters	.....	6
How to Use This Book	.....	8
Chapter 10: Percents	.....	12
 Percents & Fractions	.....	14
 Percents & Decimals	.....	19
 Percent of a Number	.....	24
 Finding Percents	.....	28
 Proportions	.....	33
Chapter 11: Square Roots	.....	40
 Square Roots	.....	42
 Lizzie's Notes	.....	47
 Estimation	.....	48
 More or Less	.....	55
 Tricky Square Roots	.....	56
 The Pythagorean Theorem	.....	64

Chapter 12: Exponents	72
 Exponents	74
 Negative Exponents	80
 Pneumatube	84
 The WMOC	90
 Channel 5	92
 The Finals	93
Index	110

Ready to move beyond Beast Academy?
 Visit Art of Problem Solving at
AoPS.com

Books
 Curriculum for grades 6-12

Online School
 Live courses taught by math beasts



Community
 Over 200,000 members

Free Resources
 Games, videos, and lessons