





Adventure 1

#Challenge

Superpowers from previous grades	10
Challenge	11
Episode 1. #HypnotronicLollipopChallenge	12
Reading and writing natural numbers	12
Criteria for comparing natural numbers	13
Rounding	14
Estimation	15
Addition and subtraction of natural numbers	17
Multiplication and division of natural numbers	18
Angle classification	20
Episode 2. The house on Mortis street	22
Exponentiation	22
Properties of exponentiation	23
Inverse operations to exponentiation	24
The sum of the interior angles of a triangle	26

ngles 27 ss 28 30 32 35
36
36
37
38
40
41
42
nmon divisor 44
46
48
49

	The house of Mr. Estanislan
9	Superpowers from previous episodes Challenge
Adventu	Episode 1. A heated race Rational numbers Equivalent fractions Order relations between fractions Fractions as ratios and proportions Geometric solids Concave and convex polyhedrons Counting tables
	Frequency tables

2.eeo	
Episode 2. The fall	66
Addition and subtraction of fractions	68
Addition and subtraction of mixed numbers	71
Nets for 3D shapes	72
Multiplication of fractions	76
Division of fractions	76
Episode 3. Gummies	78
Expressions with combined operations	
and grouping symbols	79
Decimal fractions	81
Platonic solids	84
Euler's formula	86
We learn from our mistakes	88
Powerful mind	90
Beat the challenge	91

m	Surprising trips	92
J	Superpowers from previous episodes	94
	Challenge	95
E.	Episode 1. Bang!	96
	Decimal numbers	96
Ū	Place values for decimal numbers	97
	Comparing decimal numbers	98
Б	Rounding decimal numbers	99
	Decimal numbers on the number line	101
	Standard units of measurement for length	103
	Non-metric units for length	105
	Episode 2. Knock, knock, knock	106
	Addition of decimal numbers	108
	Subtraction of decimal numbers	109
	Combined operations of addition and subtraction	

Units of measurement for capacity	113
Other units of measurement for capacity	115
Episode 3. The most obsolete car in the world	116
Multiplication of a decimal number by a natural number	117
Multiplication of decimal numbers	119
Division of a decimal number by a natural number	121
Division of decimal numbers	123
Expressions with combined operations	124
Units of measurement for mass	125
Other units of measurement for mass	127
Range of a set of ungrouped data	129
Average or mean of a set of ungrouped data	131
Mode of a set of ungrouped data	133
We learn from our mistakes	134
Powerful mind	136
Beat the challenge	137

with decimals

Adventure 4	 Parallel worlds Superpowers from previous episodes Challenge Episode 1. What Mortis street? Writing percentages as fractions Writing percentages as decimal numbers Calculation of 50 %, 25 %, 10 % and 1% of an amount Frequency tables Pie chart Episode 2. What lever? Verbal language and symbolic language 	138 140 141 142 142 143 145 147 148 150 150	Generalizing mathematical facts Numeric value Area of triangles and quadrilaterals Episode 3. The meeting Sequences and successions in figure models Arithmetic progressions General term of an arithmetic progression Total area of pyramids Total area of parallelepipeds We learn from our mistakes Powerful mind Beat the challenge	151 152 156 157 157 158 159 161 162 164 166 167
Adventure 5	Frats and monsters Superpowers from previous episodes Challenge Episode 1. Find him Successions of numbers and figures in geometric progression First terms of a geometric sequence Volume of prisms Episode 2. The swamp monster Equations	168 170 171 172 172 173 176 180 181	Relative variation of total surface area and the volume of a solid Grouped data Histograms Episode 3. Searching for Mr. Estanislao The factor of proportionality in direct and inversely proportional relationships Direct and inverse proportionality Measuring variability of data and outliers We learn from our mistakes Powerful mind Beat the challenge	183 185 187 188 189 191 194 198 200 201
Adventure 6	Lost Superpowers from previous episodes Challenge Episode 1. Moncliur Set of integers Notation of integers Notation of integers Comparing and ordering integers Points of reference Scale of a map Episode 2. An invisible roller coaster Addition of integers	202 204 205 206 208 209 211 212 214 214	Opposite of an integer Subtraction of integers Cartesian plane Episode 3. The best magician in the world Properties of addition of integers Temperature scales: degrees Celsius and degrees Fahrenheit Converting temperature units We learn from our mistakes Powerful mind Beat the challenge	216 218 219 224 226 227 228 230 232 233
Adventure 7	Returning home Superpowers from previous episodes Challenge Episode 1. #TheRunningAllAroundChallenge Speed Inverse property of addition Episode 2. A crazy mob Sets Union of sets Intersection of sets	 234 236 237 238 239 241 246 247 248 248 	Complement of a set Tree diagrams Random events and probability Episode 3. House cloud Number sets Axial symmetry Central symmetry We learn from our mistakes Powerful mind Beat the challenge	249 251 252 255 255 257 258 260 262 263
Adventure 8	Who is he really? Superpowers from previous episodes Challenge Episode 1. A shocking discovery Relation between the binary system and the decimal system Isometric transformations Homothetic transformations	 264 266 267 268 270 271 	Episode 2. The escape Mayan numeral system Addition and subtraction of Mayan numbers Conversion of monetary units Relative variation of currency exchange Episode 3. New challenges Roman numeral system Addition and subtraction of Roman numbers We learn from our mistakes Powerful mind Beat the challenge	274 275 276 277 278 280 281 283 284 286 287