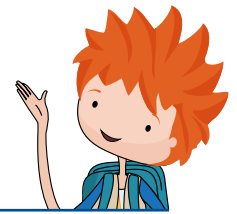


# Contents



## Adventure 1

<b>The Kingdom of Big Numbers</b>	<b>8</b>	Criteria for comparing numbers	28
Superpowers from previous grades Challenge	10 11	Double vertical bar charts	31
<b>Episode 1. A path of big numbers</b>	<b>12</b>	Pyramids and prisms	33
Numbers up to six digits	13	<b>Episode 3. The domino effect</b>	<b>34</b>
Seven-digit numbers	16	Strategies for adding up	35
Rounding	18	Strategies for subtracting	38
Vertical bar chart	21	Estimating sums and differences	40
Geometric solids	23	Pictographs	42
<b>Episode 2. Big jumps!</b>	<b>24</b>	Flat drawing of a solid	44
Comparing numbers on a number line	25	We learn from our mistakes	46
		Powerful mind	48
		Beat the challenge	49

## Adventure 2

<b>The power of the mind</b>	<b>50</b>	Multiplying single-digit numbers by two-digit numbers	65
Superpowers from previous episodes Challenge	52 53	Views of a solid	69
<b>Episode 1. From quipus to calculators</b>	<b>54</b>	<b>Episode 3. The marvelous cake-making machine</b>	<b>70</b>
Associative property of addition	55	Multiplying a two-digit number by another with two or more digits	71
Commutative property of addition	56	Properties of multiplication	74
The relationship between adding and subtracting	57	Estimating products	76
Regular polyhedrons	59	Perspective view of a solid	77
<b>Episode 2. Sagaz the multiplier</b>	<b>61</b>	We learn from our mistakes	78
Multiplication	62	Powerful mind	80
		Beat the challenge	81

## Adventure 3

<b>Modern clicks</b>	<b>82</b>	<b>Episode 3. Let's see the replay!</b>	<b>101</b>
Superpowers from previous episodes Challenge	84 85	Converting metric units of length	102
<b>Episode 1. Click clack</b>	<b>86</b>	Perimeter of a flat figure	104
Division	88	Estimating polygon perimeters	106
The division algorithm	91	Mean and median	107
Patterns for division	93	Multiples of a number	108
Pie chart	94	Divisors of a number	108
<b>Episode 2. Limoncito.com</b>	<b>95</b>	Divisibility criteria	110
Combined operations	96	We learn from our mistakes	112
Mode	100	Powerful mind	114
		Beat the challenge	115

## Adventure 4

<b>Defenders of the forest</b>	<b>116</b>	<b>Episode 2. The magnificent Fito and Zoe</b>	<b>130</b>
Superpowers from previous episodes Challenge	118 119	Equalities	132
<b>Episode 1. Smash those fives!</b>	<b>120</b>	Areas and perimeters	133
Prime numbers and composite numbers	121	<b>Episode 3. The inflatable fortress</b>	<b>136</b>
Least common multiple and greatest common divisor	124	Equations	137
Triangle, square, rectangle, and trapezoid areas	127	Volume	139
Area of irregular shapes	128	Volume of a prism	140
		Converting cubic units	142
		We learn from our mistakes	144
		Powerful mind	146
		Beat the challenge	147

## Adventure 5

<b>Sneezing Fito</b>	<b>148</b>	Relationship between improper fractions and mixed numbers	168
Superpowers from previous episodes	150	Comparing and ordering fractions on the line	170
Challenge	151	Scale factors $\frac{1}{2}$ , $\frac{1}{3}$ , and $\frac{1}{4}$	172
<b>Episode 1. Echo-Logical</b>	<b>152</b>	<b>Episode 3. Achoo</b>	<b>175</b>
Fractions as a part of the whole, as measure, and as quotient	153	Calculating and estimating the capacity of a container in liters and milliliters	176
Reading and writing fractions	155	Adding and subtracting heterogeneous fractions	178
Fractions on a number line	157	Multiplying fractions	181
Fraction of a number	158	Sequences of fractions	185
Estimating fractional quantities	160	We learn from our mistakes	186
Similarities	161	Powerful mind	188
<b>Episode 2. The echo-dog</b>	<b>163</b>	Beat the challenge	189
Equivalent fractions	164		
Fractions in their simplest form	166		

## Adventure 6

<b>An adventure in the sky</b>	<b>190</b>	Rounding decimal numbers	206
Superpowers from previous episodes	192	Quantitative data	208
Challenge	193	<b>Episode 3. Comma City</b>	<b>209</b>
<b>Episode 1. Dientes Verdes</b>	<b>194</b>	Adding decimals	211
Decimal fractions	195	Subtracting decimals	214
Decimal number	197	Combined operations with decimal numbers	216
Mass and some units for measuring it	199	Combinations	217
Qualitative data	200	We learn from our mistakes	220
<b>Episode 2. A flock!</b>	<b>201</b>	Powerful mind	222
Comparing decimal numbers	203	Beat the challenge	223
Decimal numbers on the number line	205		

## Adventure 7

<b>Time acrobatics</b>	<b>224</b>	Equations with fractions	238
Superpowers from previous episodes	226	Measuring time	241
Challenge	227	<b>Episode 3. The snake of Chumbaguanga</b>	<b>243</b>
<b>Episode 1. The Pugachev Cobra</b>	<b>228</b>	Measuring short periods of time	244
Sequences with decimal numbers	230	Exponentiation	246
Percentage	232	Permutations	250
The century	234	We learn from our mistakes	252
<b>Episode 2. Giraffe necks</b>	<b>236</b>	Powerful mind	254
Equalities	237	Beat the challenge	255

## Adventure 8

<b>The last page</b>	<b>256</b>	<b>Episode 2. Nerves of steel</b>	<b>268</b>
Superpowers from previous episodes	258	Quadrilaterals and how to classify them	269
Challenge	259	Circumference and circles	272
<b>Episode 1. The clock</b>	<b>260</b>	Patterns of numbers and codes	274
Angles and how to classify them	261	<b>Episode 3. See you soon, Mister +</b>	<b>276</b>
Symmetry	264	Probability	277
Axial symmetry and symmetry axes	265	Tessellations	280
Magnitude relation	266	Cartesian plane	282
Direct and inverse relationships	267	We learn from our mistakes	284
		Powerful mind	286
		Beat the challenge	287