# Sense of Number

# Visual Place Value Policy

## A4 Posters

### Blanford Mere Primary School
### October 2014

300

40

### by Dave Godfrey & Anthony Reddy

For sole use within Blanford Mere Primary School.

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'A picture is worth 1000 words!'
www.senseofnumber.co.uk

# Guide to using a Visual Place Value Policy

The Sense of Number Visual Place Value Policy provides a visual representation of the progression found within **Domain 1: Number and Place Value** in the new National Curriculum.

A school branded **VPVP** is created by Dave Godfrey for individual schools when the school logo and school name are added to the footer of each slide.

## Typical uses:

**Classroom:** The slides are printed out (e.g. A4) and the appropriate slides are displayed within each classroom for continual reference or on a working wall.

**Teacher Reference:** The slides are printed out (e.g. 9 slides per A4 page) and inserted in the teacher's planning folder.

**Parents:** The slides are used to communicate to parents the school's approach to teaching place value.

**Website:** Selected slides from the VPVP are inserted onto a school's maths webpages. (Please note: the VPVP should not be made available for download.)

# Visual Place Value Policy

**1-4**    Introduction Slides

| Pages | Code | Years | Theme |
|---|---|---|---|
| 5-18 | PA | Y2-Y6 | Rounding |
| 19-23 | PB | Y2-Y6 | Comparing and Ordering Numbers |
| 24-25 | PC | Y2-Y3+ | Partitioning |

## Wallcharts (A3 - suggested printing size)

| | |
|---|---|
| Y2-Y6 | Papa Titioning's Wallcharts (Place Value) |
| Y3-Y5 | Papa Titioning's Wallcharts (Decimals) |
| Y3-Y5 | Roman Numeral Wallcharts |

# Year Groups:
# Specific Slide Locations

| Section | Y1 | Y2 | Y3 | Y4 | Y5 | Y6 |
|---|---|---|---|---|---|---|
| **A: Rounding** | | 5,6 | 7,8 | 9,10 | 11-15 | 16-18 |
| **B: Comparing** | | 19 | 20 | 21 | 22 | 23 |
| **C: Partitioning** | | 24 | 25 | | | |

| Section | | | | Y3 | Y4 | Y5 | Extra |
|---|---|---|---|---|---|---|---|
| **Roman Numeral Wallcharts** | | | | 1-12 | 1-100 | 1-1000 | Walls x2 |

| Section | | | | | |
|---|---|---|---|---|---|
| **Papa Titioning's Wallcharts** | | 6 | 17 | 74 | 347 |
| **(Featured Numbers)** | | 2,463 | 67,342 | 8,364,791 | |
| | | 7.4 | 6.25 | 2.357 | |
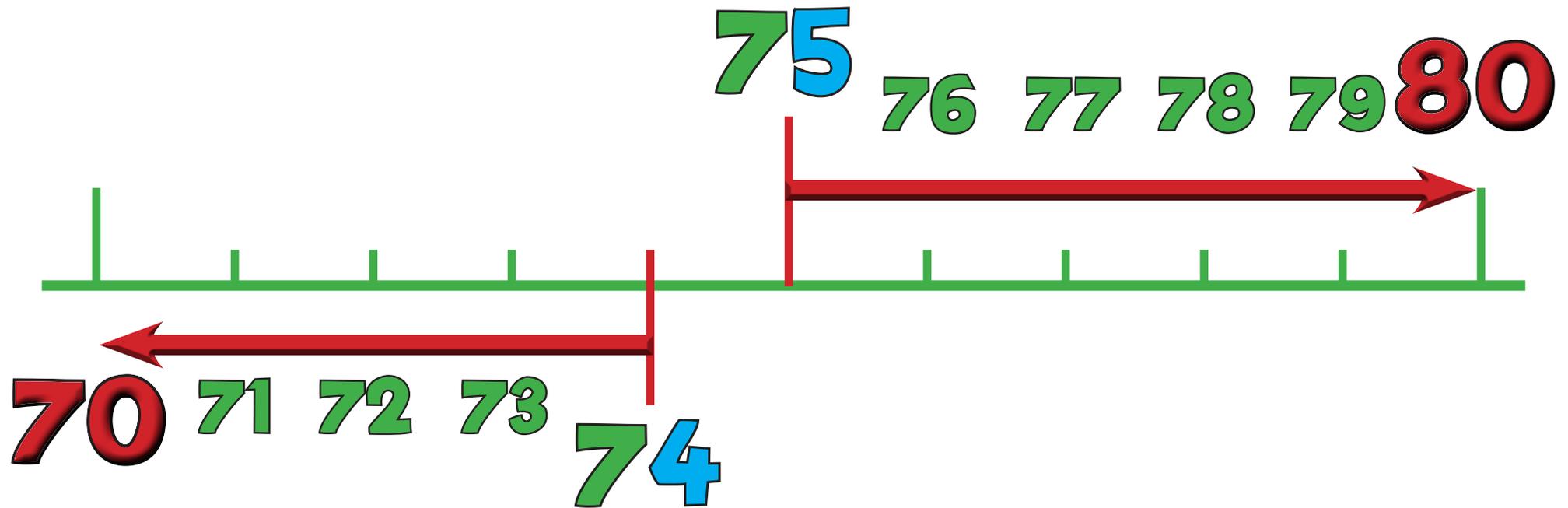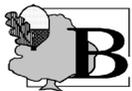
75 76 77 78 79 80

70 71 72 73 74

e.g. 76 → 80

**57** ⟶ **R10** ⟶ **60**

**42** ⟶ **R10** ⟶ **40**

3

250

260 270 280 290 300

200 210 220 230 240

249

e.g. 276 → 300

738 (8 circled) → **R10** → 740

738 (3 circled) → **R100** → 700

# PA: Rounding (Nearest 1000)

4

3500

3600 3700 3800 3900 4000

3000 3100 3200 3300 3400

3499
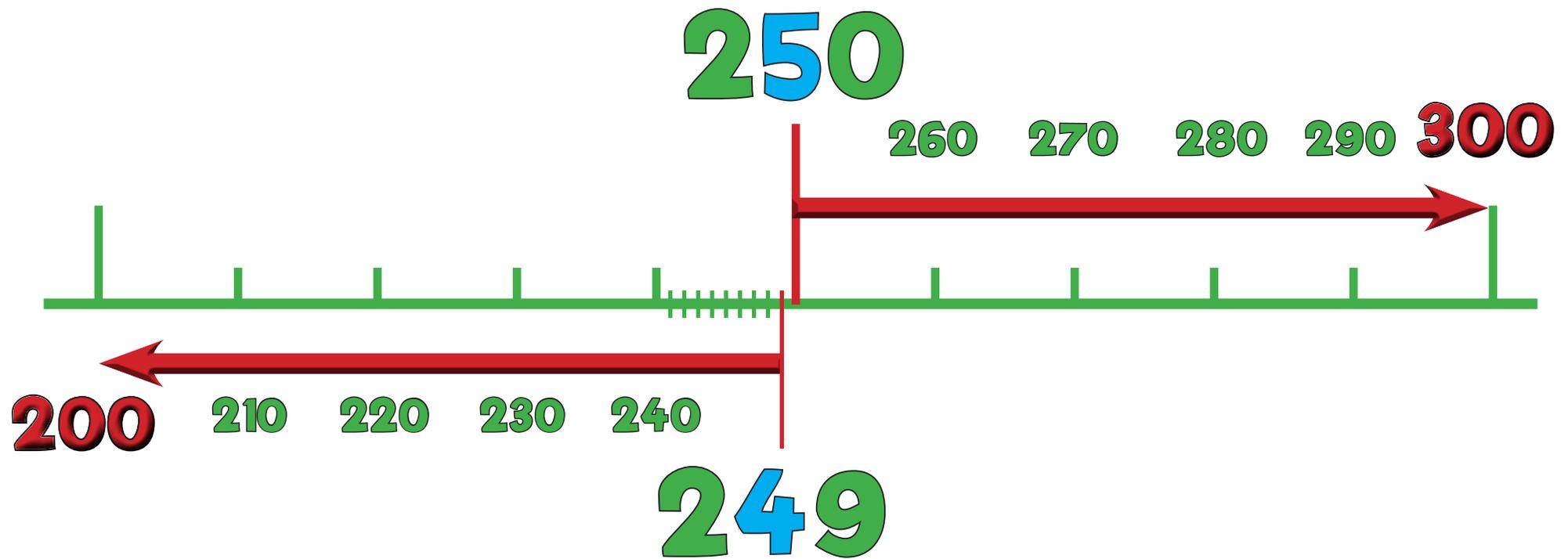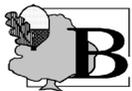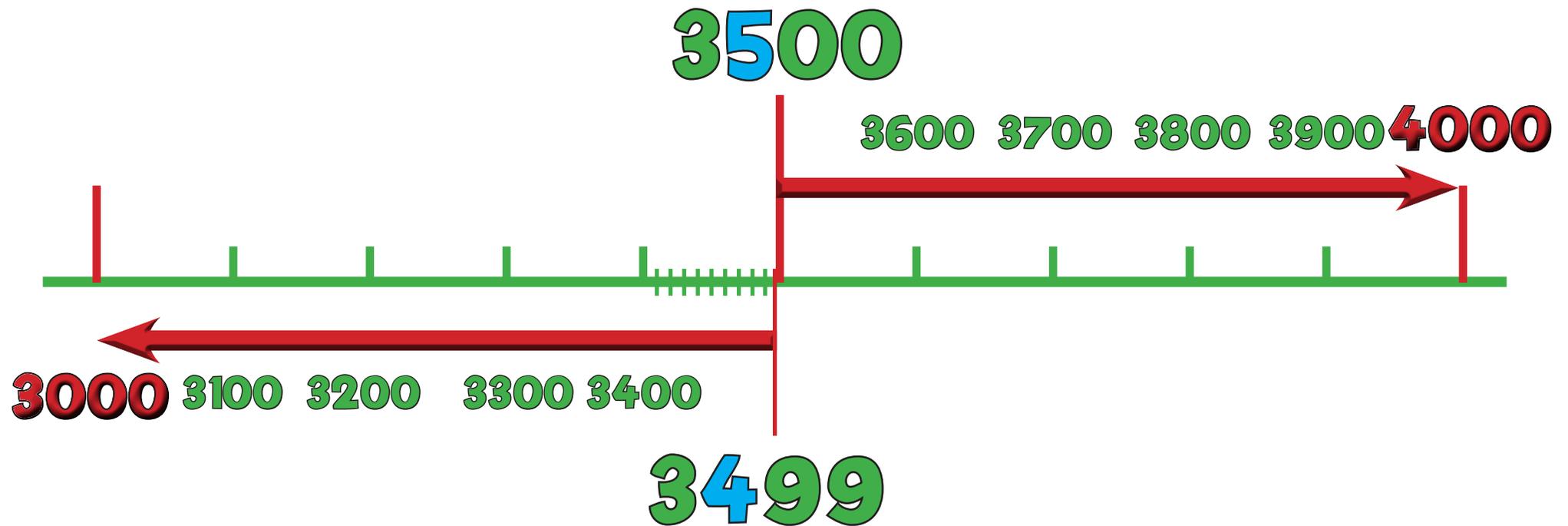
e.g. 3,376 → 3,000
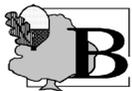
# PA: Rounding (Nearest 1000)

4

6,283 →R10→ 6,280

6,283 →R100→ 6,300

6,283 →R1000→ 6,000

350,000

400,000

300,000

349,999
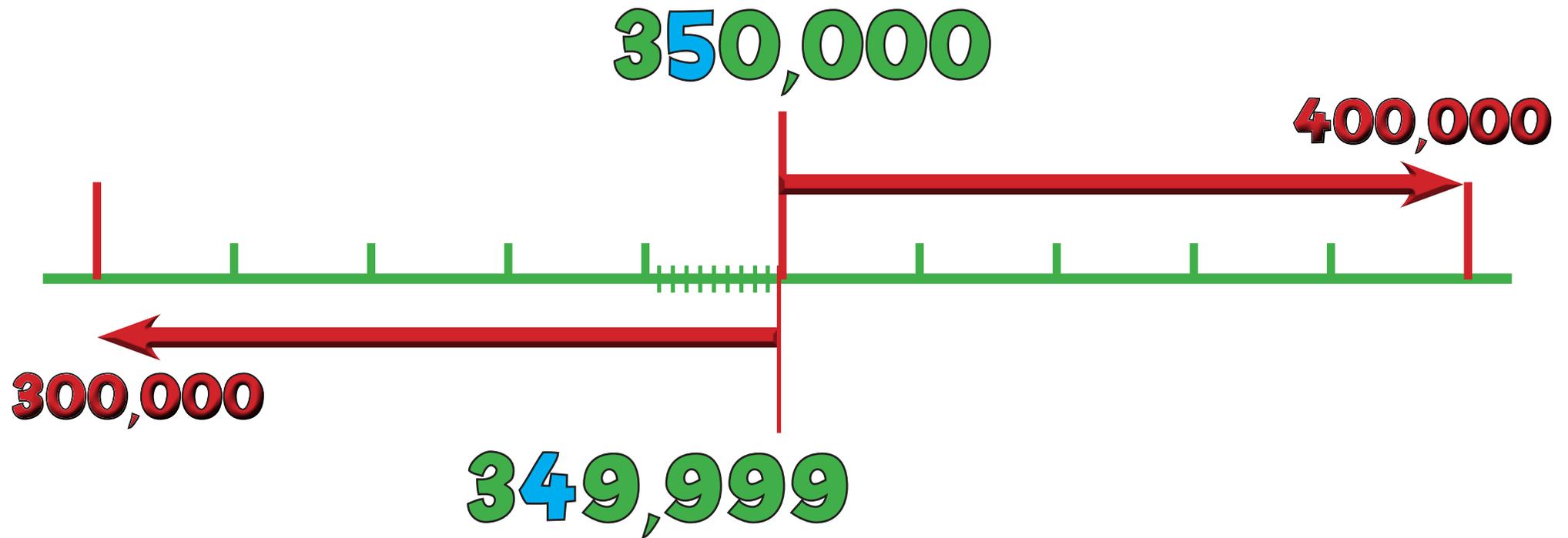
e.g. 337,566 → 300,000

# PA: Rounding (Nearest 100,000)

372,648 →R10→ 372,640

372,648 →R100→ 372,650

372,648 →R1000→ 373,000

372,648 →R10,000→ 370,000

372,648 →R100,000→ 400,000

# PA: Rounding (Nearest 1)

5
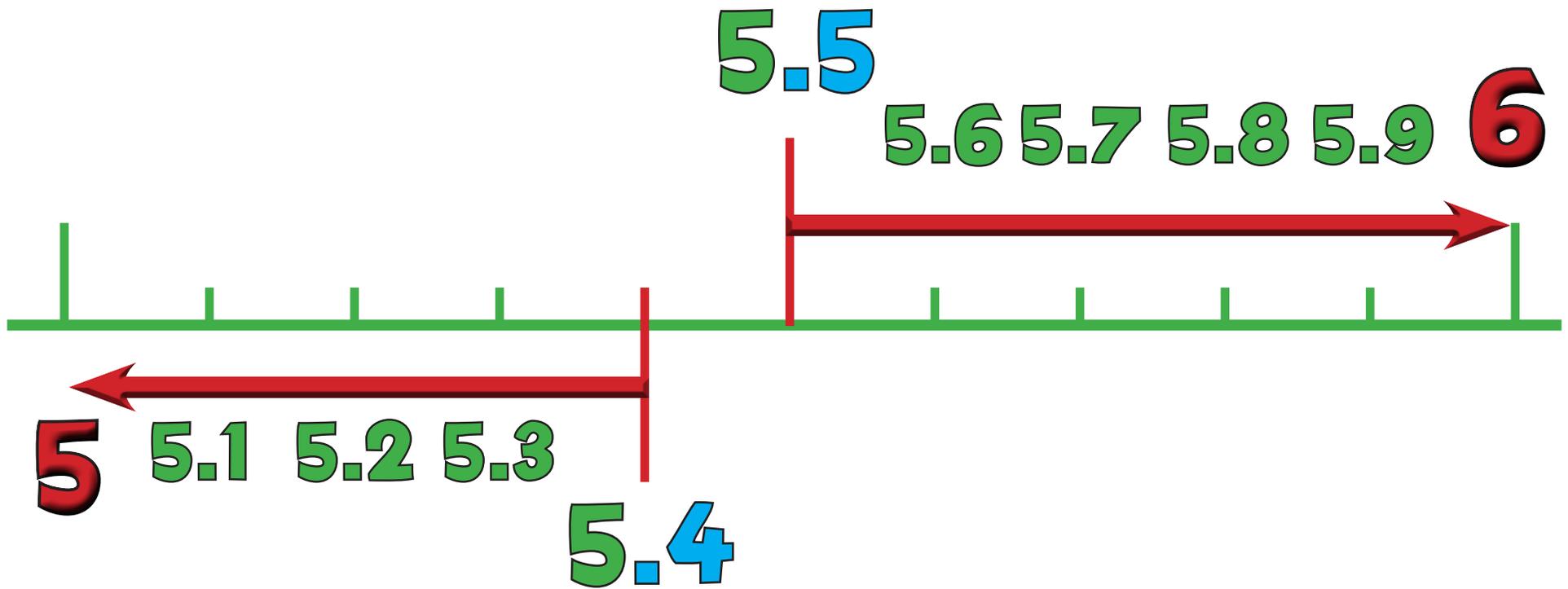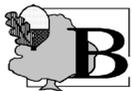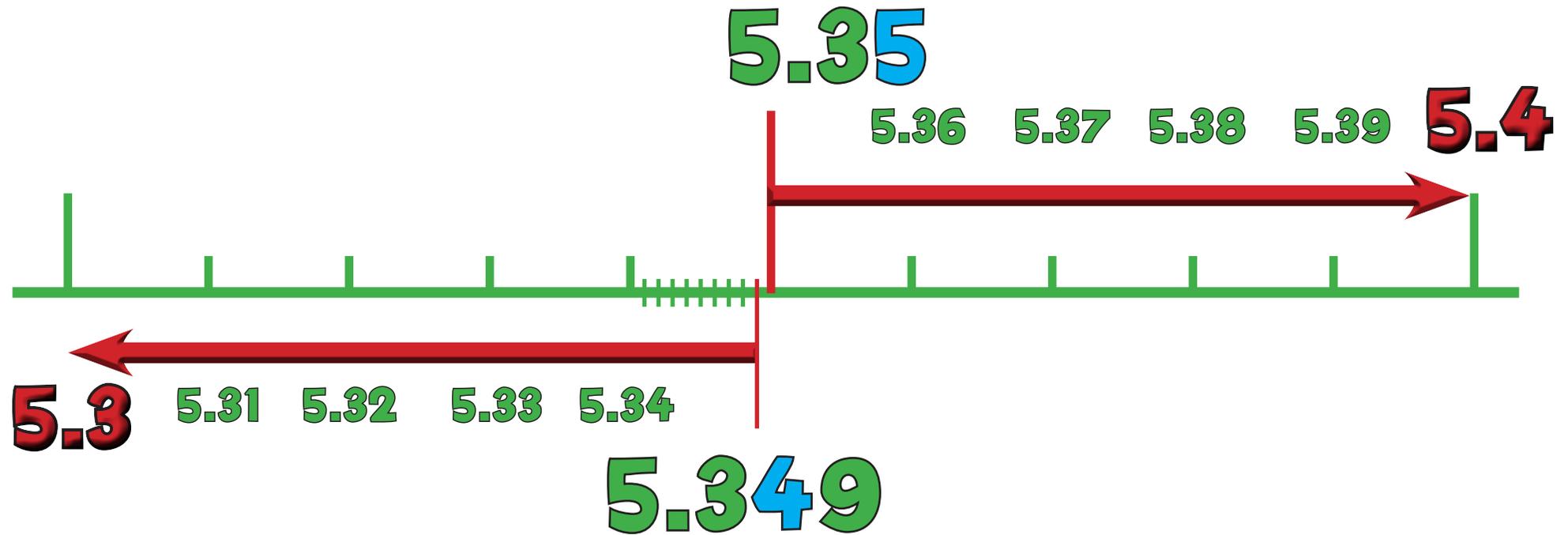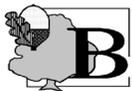
5.5

5.6 5.7 5.8 5.9 6

5   5.1   5.2   5.3

5.4

e.g. 5.6 → 6

5.35

5.36   5.37   5.38   5.39   **5.4**

5.3   5.31   5.32   5.33   5.34

5.349

e.g. 5.36 → 5.4

6.28 —— R1 ——> 6

6.28 —— R1dp ——> 6.3

75,000,000

80,000,000

70,000,000

74,999,999
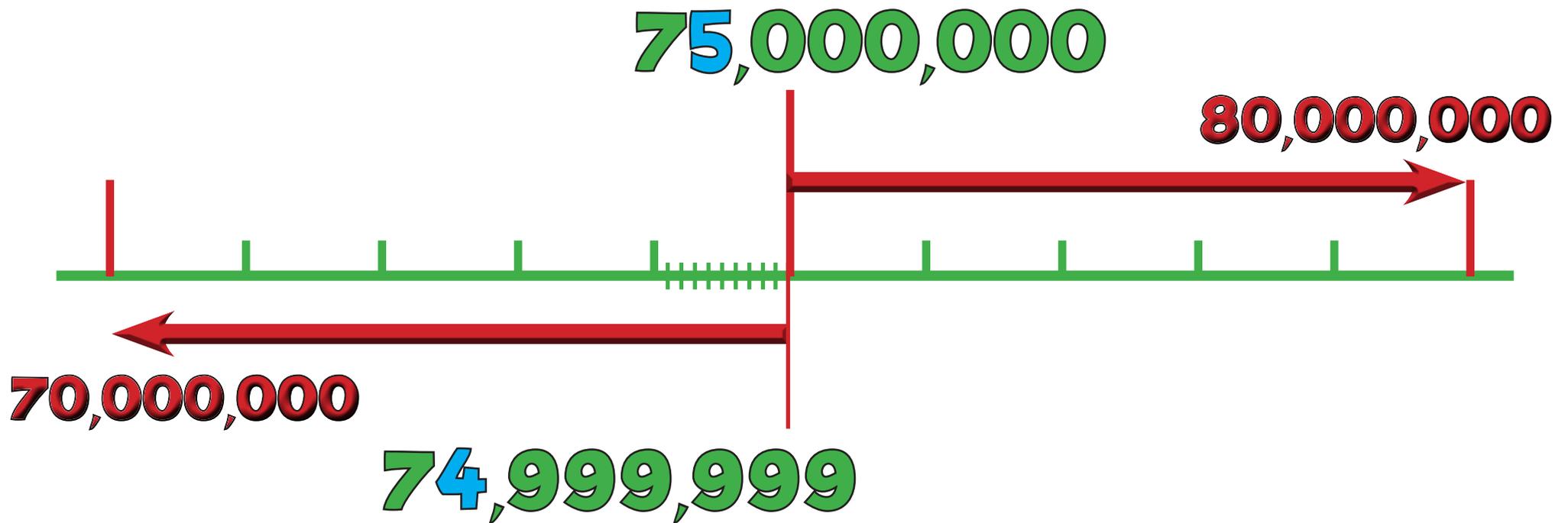
e.g. 74,637,566 → 70,000,000

7,369,01**7** → **R10** → 7,369,020

7,369,0**1**7 → **R100** → 7,369,000

7,369,**0**17 → **R1000** → 7,369,000

7,36**9**,017 → **R10,000** → 7,370,000

7,3**6**9,017 → **R100,000** → 7,400,000

7,**3**69,017 → **R1,000,000** → 7,000,000

37.2648 —— R1 ——▶ 37

37.2648 —— R1dp ——▶ 37.3

37.2648 —— R2dp ——▶ 37.26

37.2648 —— R3dp ——▶ 37.265

$$43 < 72$$

$$43 > 12$$
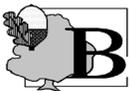
$$367 < 819$$

$$367 > 278$$
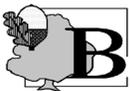
9631 < 9738
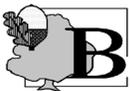
9631 > 2347

1,342,763 < 3,763,429

1,342,763 > 1,234,276

53,679,425 < 84,359,604

53,679,425 > 34,882,934

70     4

60     14

50     24

40     34

| 800 |  | |  | 30 | 4 |
| 700 |  |  | | 130 | 4 |
| 600 |  |  | | 230 | 4 |
| 500 |  |  | | 330 | 4 |