

Answers

1 • Rounding Hill

A 47 $\approx$ 50 | 83 $\approx$ 80 | 65 $\approx$ 70 |
 98 $\approx$ 100 | 342 $\approx$ 340 | 1,285 $\approx$ 1,290
 B 349 $\approx$ 300 | 351 $\approx$ 400 | 1,250 $\approx$ 1,300 |
 2,049 $\approx$ 2,000 | 4,962 $\approx$ 5,000 |
 7,095 $\approx$ 7,100

Typical mistake: 65 $\approx$ 60. A 5 always rounds up: 65 $\approx$ 70.

2 • Breaking News

A 247,382: 247,000 | 250,000 | 200,000
 685,519: 686,000 | 690,000 | 700,000
 349,990: 350,000 | 350,000 | 300,000
 951,500: 952,000 | 950,000 | 1,000,000
 B 2,996 $\approx$ 3,000 | 39,970 $\approx$ 40,000 |
 99,960 $\approx$ 100,000 | 19,999 $\approx$ 20,000
 C 1: no | 2: 2,446 $\approx$ 2,400

Typical mistake: rounding in stages (2,446 $\rightarrow$ 2,450 $\rightarrow$ 2,500). Always round straight from the original number.

3 • At the Fence

A $\approx$ 350 (to the nearest ten): 345 to 354
 $\approx$ 2,000 (to the nearest hundred): 1,950 to 2,049
 $\approx$ 70,000 (to the nearest thousand): 69,500 to 70,499
 $\approx$ 600 (to the nearest hundred): 550 to 649
 B 749: no | 750: yes | 801: yes |
 849: yes | 850: no | 795: yes
 C 5 (3,547 $\approx$ 3,500)
 D arrows at 265 and 274

4 • Island News

A 12,468 $\approx$ 12,000 | 47 $\approx$ 50 |
 3,862 $\approx$ 3,900
 B 1: exact | 2: rounded | 3: rounded |
 4: exact
 C 312,470: ten | 312,500: hundred |
 312,000: thousand |
 310,000: ten thousand |
 300,000: hundred thousand
 D 1: thousand | 2: 25,000 – 24,872 = 128

5 • Test Check

A 83 $\approx$ 80 | 455 $\approx$ 460 | 1,449 $\approx$ 1,400 |
 2,951 $\approx$ 3,000 | 7,499 $\approx$ 7,000 |
 15,500 $\approx$ 16,000 | 64,999 $\approx$ 60,000 |
 349,999 $\approx$ 300,000
 B 1: true | 2: false | 3: true | 4: false |
 5: false
 C 1: 950 | 2: 84

For grown-ups: what helps most

- Always have the child mark the rounding place first, then look at the digit to its right.
- The two most common mistakes: rounding in stages and the 9 trap (e.g. 39,970 to the nearest hundred = 40,000).
- Practice in everyday life: round numbers from the news, sports or games.