



Grade 4

Mathematics

Rounding

Question 1: Round off the following numbers to the nearest ten

- 44
- 87
- 155
- 3
- 299

Rounds up ↑
Rounds down ↓

① $44 \approx 40$ ② $87 \approx 90$ ③ $155 \approx 160$
④ $3 \approx 0$ ⑤ $299 \approx 300$

Question 2: Round off the following numbers to the nearest hundred

- 237
- 877
- 2 653
- 200
- 11 982

① $237 \approx 200$ ② $877 \approx 900$
③ $2653 \approx 2700$ ④ $200 \approx 200$
⑤ $11982 \approx 12000$

Question 3: Round off the following numbers to the nearest thousand

- 1863
- 8 373
- 499
- 501
- 19 977

① $1863 \approx 2000$ ② $8373 \approx 8000$
③ $499 \approx 0$ ④ $501 \approx 1000$
⑤ $19977 \approx 20000$

Question 4: Word problems involving rounding

- Namzi went to the sweet shop with the money she earned doing chores around the house. She bought the following sweets: R23 of chewies; R16 of suckies; R15 of fizzies and R29 of softies. Round off each of these to the nearest 10 to get a rough idea of what she spent.
- Find all the numbers that: when rounded to the nearest 10 give 480; to the nearest 100 is 500; and to the nearest 1000 is zero.
- Nina's teacher has a points system in class. Nina's mom asked her how many points she earned that week. Nina was awarded points a few times and wants to give a rough answer to her mom. She got 123 from Maths, 72 from Social Science, 34 from Natural Science and 98 from English. Use rounding to the nearest 10 to help Nina finish the sentence: I got around about...

① $23 \approx 20$ $20 + 20 + 20 + 30$
 $16 \approx 20$ $= 90$
 $15 \approx 20$ Namzi spent
 $29 \approx 30$ roughly R90

② 475, 476, 477, 478, 479
480, 481, 482, 483, 484

③ $123 + 72 + 34 + 98$
 $\approx 120 + 70 + 30 + 100$
 ≈ 320
"I got roughly 320 points"

4. Phila took part in a reading competition for her school. The competition looks at how many pages you've read in the year. Phila looks through the 5 books she's read so far: 233 pages; 178 pages; 420 pages, 290 pages; and 250 pages. Round these each off to the nearest hundred and then add them to get a rough idea of how many pages she's read so far.

$$\begin{aligned} & \textcircled{4} \quad 233 + 178 + 420 + 290 + 250 \\ & \approx 200 + 200 + 400 + 300 + 300 \\ & \approx 1400 \\ & \text{Phila has read roughly 1400} \\ & \text{pages so far.} \end{aligned}$$