

Varied Fluency

Step 10: Round Within a Million

National Curriculum Objectives:

Mathematics Year 5: (5N2) [Read, write, order and compare numbers to at least 1,000,000](#)
Mathematics Year 5: (5N3a) [Determine the value of each digit in numbers up to 1,000,000](#)
Mathematics Year 5: (5N4) [Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000](#)

Differentiation:

Developing Questions to support understanding rounding to the nearest 10, 100, 1,000 and 10,000 for numbers up to 999,999. Digits that determine whether the number is rounded up or down are underlined.

Expected Questions to support understanding rounding to the nearest 10, 100, 1,000, 10,000 and 100,000 for numbers up to 999,999.

Greater Depth Questions to support understanding rounding to the nearest 10, 100, 1,000, 10,000 and 100,000 numbers up to 999,999. Includes some numbers that round to the same number.

More [Year 5 Place Value](#) resources.

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Round Within a Million

Round Within a Million

1a. Round these numbers to the nearest 1,000.

530,909

300,555

170,001



VF

1b. Round these numbers to the nearest 10,000.

430,899

211,067

964,970



VF

2a. Find the numbers that round to 560,000 when rounded to the nearest 1,000.

559,981

560,500

559,499

560,005

555,555

560,050



VF

2b. Find the numbers that round to 40,050 when rounded to the nearest 10.

40,049

40,051

40,046

40,055

40,059

40,045



VF

3a. Circle the odd one out when rounded to the nearest 10,000.

649,006

644,919

645,818



VF

3b. Circle the odd one out when rounded to the nearest 100.

521,299

521,263

521,249



VF

4a. True or false? When rounded to the nearest 10,000, the numbers below all round to 500,000.

504,010

500,129

497,572

494,909



VF

4b. True or false? When rounded to the nearest 1,000, the numbers below all round to 375,000.

374,500

374,802

375,496

375,500



VF

Round Within a Million

Round Within a Million

5a. Round these numbers to the nearest 100,000.

450,999

320,500

800,881



VF

5b. Round these numbers to the nearest 10,000.

237,452

742,064

65,981



VF

6a. Find the numbers that round to 300,000 when rounded to the nearest 100,000.

200,981

305,000

290,810

345,101

350,000

265,009

319,999

271,002

333,333



VF

6b. Find the numbers that round to 67,000 when rounded to the nearest 1,000.

60,799

679,000

66,801

67,409

66,980

6,699

67,800

67,423

66,501



VF

7a. Circle the odd one out when rounded to the nearest 10,000.

947,106

954,612

944,711



VF

7b. Circle the odd one out when rounded to the nearest 100.

721,049

721,093

721,051



VF

8a. True or false? When rounded to the nearest 100,000, the numbers below all round to 600,000.

600,910

649,224

551,572

650,000



VF

8b. True or false? When rounded to the nearest 10,000, the numbers below all round to 470,000.

465,001

474,921

462,976

473,412



VF

Round Within a Million

Round Within a Million

9a. Round these numbers to the nearest 1,000 and 10,000.

620,518

619,599

619,900



VF

9b. Round these numbers to the nearest 10,000 and 100,000.

897,555

892,064

895,085



VF

10a. Find the numbers that round to the same number when rounded to the nearest 100,000 or 1,000.

519,555

501,127

498,929

520,500

500,093

499,027

498,291

500,499

500,049



VF

10b. Find the numbers that round to the same number when rounded to the nearest 10,000 or 100.

320,051

320,090

323,001

319,963

321,010

320,029

319,490

319,971

325,409



VF

11a. Circle the odd one out when rounded to the nearest 1,000 or 100.

928,950

929,050

929,049



VF

11b. Circle the odd one out when rounded to the nearest 100,000 or 10,000.

500,001

495,009

494,005



VF

12a. True or false? When rounded to the nearest 100,000, the numbers below all round to the same number.

750,910

771,964

825,999

850,001



VF

12b. True or false? When rounded to the nearest 10,000, the numbers below all round to the same number.

204,909

197,011

195,412

203,977



VF

Varied Fluency
Round Within a Million

Developing

- 1a. 531,000; 301,000; 170,000
2a. 559,981; 560,005; 560,050
3a. 644,919
4a. False. 494,909 does not round to 500,000 when rounding to the nearest 10,000.

Expected

- 5a. 500,000; 300,000; 800,000
6a. 305,000; 290,810; 345,101; 265,009; 319,999; 271,002; 333,333
7a. 944,711
8a. False. 650,000 does not round to 600,000 when rounding to the nearest 100,000.

Greater Depth

- 9a. 621,000/620,000; 620,000/620,000; 620,000/620,000
10a. 500,093; 500,499; 500,049
11a. 929,050
12a. False. 850,001 does not round to 800,000 when rounding to the nearest 100,000.

Varied Fluency
Round Within a Million

Developing

- 1b. 430,000; 210,000; 960,000
2b. 40,049; 40,051; 40,046; 40,045
3b. 521,249
4b. False. 375,500 does not round to 375,000 when rounding to the nearest 1,000.

Expected

- 5b. 240,000; 740,000; 70,000
6b. 66,801; 67,409; 66,980; 67,423; 66,501
7b. 721,049
8b. False. 462,976 does not round to 470,000 when rounding to the nearest 10,000.

Greater Depth

- 9b. 900,000/900,000; 890,000/900,000; 900,000/900,000
10b. 321,010; 319,963; 320,029; 319,971
11b. 494,005
12b. True. They all round to 200,000.