

# Varied Fluency

## Step 9: Round Within 100,000

### National Curriculum Objectives:

Mathematics Year 5: (5N2) [Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit](#)

Mathematics Year 5: (5N4) [Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000](#)

Mathematics Year 5: (5N6) [Solve number problems and practical problems that involve \(5N1\) \(5N2\) \(5N4\) \(5N5\)](#)

### Differentiation:

**Developing** Questions to support rounding numbers within 100,000 to the nearest 1,000 or 10,000. Numerals only.

**Expected** Questions to support rounding numbers within 100,000 to the nearest 10, 100, 1,000 or 10,000. Numbers represented as numerals and words.

**Greater Depth** Questions to support rounding numbers within 100,000 to the nearest 10, 100, 1,000 or 10,000. Numbers represented as numerals, words and Roman numerals.

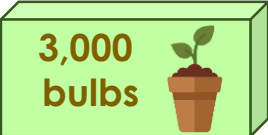
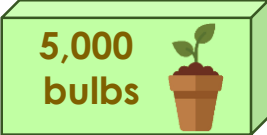
More [Year 5 and Year 6 Place Value](#) resources.

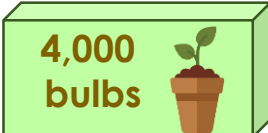

Did you like this resource? Don't forget to [review](#) it on our website.

## Round within 100,000

## Round within 100,000

1a. A stately home needs 3,654 bulbs. Which box should they order?

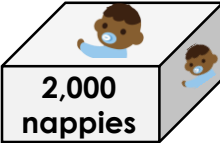
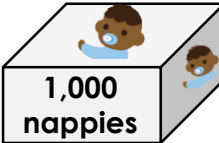
A  B 



C  D 



5 VF

1b. A nursery needs 1,849 nappies. Which box should they order?

A  B 

C  D 



5 VF

2a. Round the number of each type of book sold to the nearest 10,000.

Genre	Sales
Horror	14,634
Fantasy	53,896
Mystery	25,205



5 VF

2b. Round the number of votes for each type of tree to the nearest 10,000.

	Votes
Oak	36,654
Birch	34,561
Ash	35,429



5 VF

3a. Round each number to the nearest 1,000.

7,149	1,931
6,192	2,009



5 VF

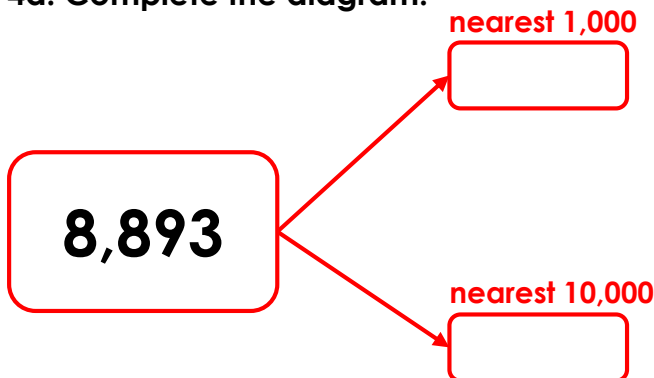
3b. Round each number to the nearest 1,000.

2,301	5,563
7,128	890



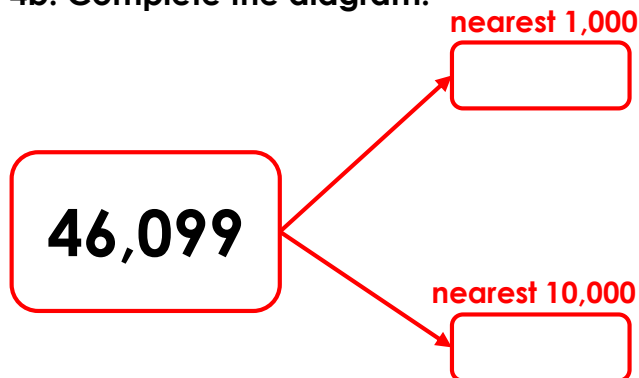
5 VF

4a. Complete the diagram.



5 VF

4b. Complete the diagram.


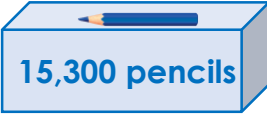




5 VF

## Round within 100,000

## Round within 100,000

5a. A school needs 15,356 pencils. Which box should they order?



A  B 



C  D 



5 VF

5b. A cafe needs 38,552 napkins. Which box should they order?

A  B 

C  D 



5 VF

6a. Round the number of patients treated in each department to the nearest 1,000.

Patients	Votes
Drop In	93,706
A&E	69,476
X-Ray	fifty-four thousand, one hundred and six



5 VF

6b. Round the number of votes for each popstar to the nearest 1,000.

	Votes
Eeze	thirty thousand, four hundred and seventy
Jump	49,476
GR8	39,862



5 VF

7a. Round each number to the nearest 10,000.

twelve thousand, nine hundred and thirty-one	45,999
23,488	sixty-five thousand, nine hundred and one



5 VF

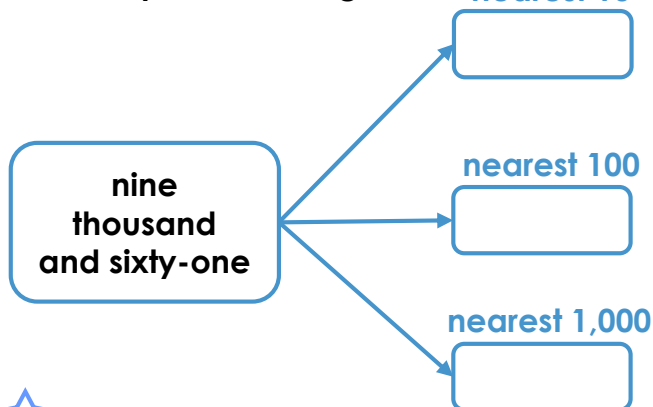
7b. Round each number to the nearest 10,000.

45,834	12,904
85,049	nine thousand, four hundred and seventy-two



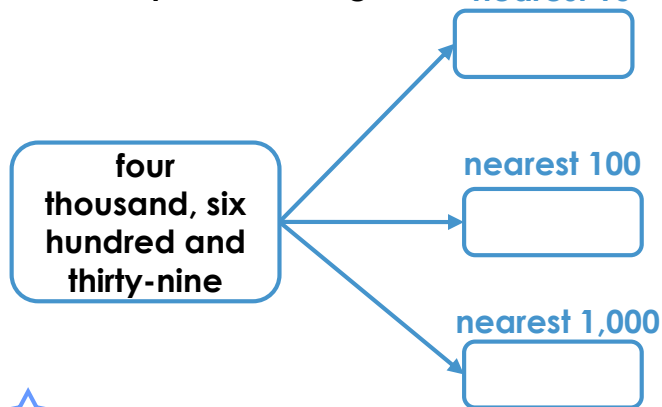
5 VF

8a. Complete the diagram. nearest 10



5 VF

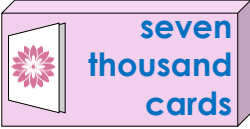

8b. Complete the diagram. nearest 10





5 VF

## Round Within 100,000

9a. A nationwide florist needs 2,994 cards. Which box should they order?

A  B 

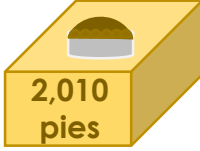

C  D 

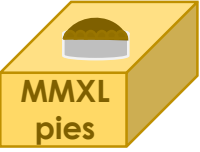
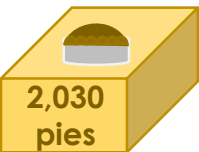


5 VF

## Round Within 100,000

9b. A football club needs 2,035 pies. Which box should they order?

A  B 

C  D 



5 VF

10a. Round the number of each type of car sold to the nearest 1,000.

Car	Sold
4x4	MMLXXVI
Saloon	twenty-six thousand, six hundred and three
City	95,895



5 VF

10b. Round the number of type of snack sold to the nearest 1,000.

	Sold
Crisps	six thousand, two hundred and fifty-one
Nuts	67,781
Fruit	MMCDLXXXVIII



5 VF

11a. Round each number to the nearest 10,000.

MDCCXLI	52,045
89,952	nine thousand, four hundred and seventy-two



5 VF

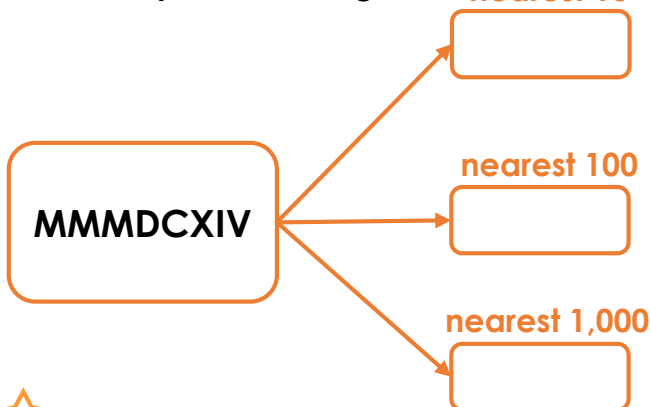
11b. Round each number to the nearest 10,000.

twenty-six thousand, two hundred and four	MMMXLV
15,586	ninety thousand, one hundred and twenty-one



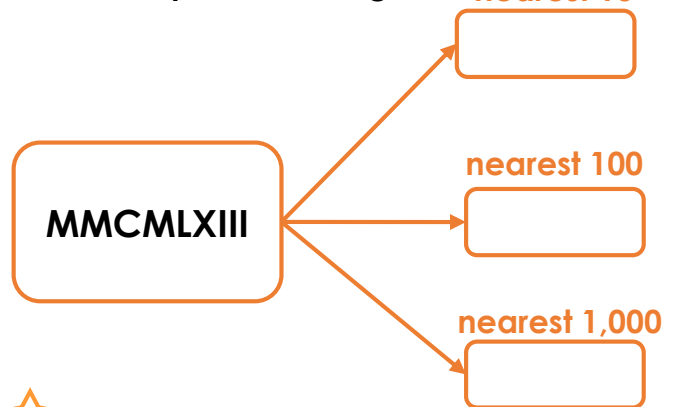
5 VF

12a. Complete the diagram. nearest 10



5 VF

12b. Complete the diagram. nearest 10



5 VF

**Varied Fluency**  
**Round Within 100,000**

**Developing**

- 1a. C  
2a. Horror – 10,000; Fantasy – 50,000;  
Mystery – 30,000  
3a. 7,000; 2,000; 6,000; 2,000  
4a. 9,000; 10,000

**Expected**

- 5a. C  
6a. Drop in – 94,000; A & E – 69,000; X-ray –  
54,000  
7a. 10,000, 50,000; 20,000; 70,000  
8a. 9,060; 9,100; 9,000

**Greater Depth**

- 9a. D  
10a. 4x4 – 2,000 (MM); Saloon – 27,000;  
City – 96,000  
11a. 0; 50,000; 90,000; 10,000  
12a. 3,610 (MMMDCX); 3,600 (MMMDC);  
4,000 (MMMM)

**Varied Fluency**  
**Round Within 100,000**

**Developing**

- 1b. A  
2b. Oak – 40,000; Birch – 30,000; Ash –  
40,000  
3b. 2,000; 6,000; 7,000; 1,000  
4b. 46,000; 50,000

**Expected**

- 5b. A  
6b. Eezee – 30,000; Jump – 49,000; GR8 –  
40,000  
7b. 50,000; 10,000; 90,000; 10,000  
8b. 4,640; 4,600; 5,000

**Greater Depth**

- 9b. C  
10b. Crisps – 6,000; Nuts – 68,000; Fruits –  
2,000 (MM)  
11b. 30,000; 0; 20,000; 90,000  
12b. 2,960 (MMCMLX); 3,000 (MMM); 3,000  
(MMM)