Varied Fluency
Step 1: Numbers to Ten Million

National Curriculum Objectives:

Mathematics Year 6: (6N2) Read, write, order and compare numbers up to 10,000,000
Mathematics Year 6: (6N3) Determine the value of each digit in numbers up to 10,000,000

Differentiation:

Developing Questions to support writing and representing numbers up to 10 million. Numbers represented using numerals and words. No use of zero as a place holder.
Expected Questions to support writing and representing numbers up to 10 million. Numbers represented using numerals and words.
Greater Depth Questions to support writing and representing numbers up to 10 million. Numbers represented using numerals, words and using unconventional partitioning.

More Year 6 Place Value resources.

Did you like this resource? Don't forget to review it on our website.

Numbers to Ten Million

1a. Write the number in digits in the place value grid below.

Four million, three hundred and fifty-five thousand, four hundred and thirty-one.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

D VF

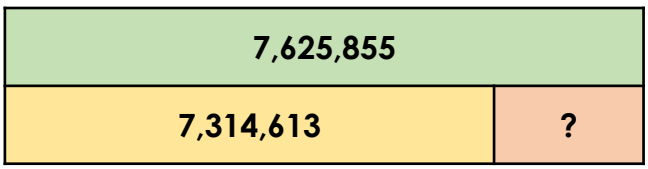
2a. Calculate the missing numbers.

1,316,124 + ☐ = 4,531,235

3,556,228 = ☐ – 1,311,111

D VF

3a. Complete the bar models.



D VF

4a. Tick the correct statement.

3,245,899

A. 3,111,111 + 134,788 ☐

B. 3,111,111 + 134,998 ☐

D VF

Numbers to Ten Million

1b. Write the number in digits in the place value grid below.

Six million, five hundred and eighty-one thousand, two hundred and fifteen.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

D VF

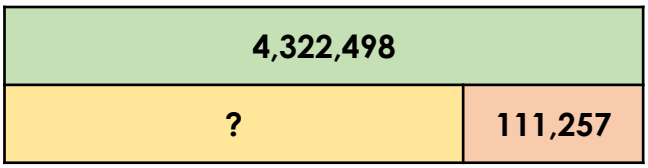
2b. Calculate the missing numbers.

☐ + 1,215,123 = 5,628,496

☐ = 2,952,463 – 1,511,222

D VF

3b. Complete the bar models.



D VF

4b. Tick the correct statement.

5,556,352

A. 5,551,211 + 5,241 ☐

B. 5,551,211 + 5,141 ☐

D VF

Numbers to Ten Million

5a. Write the number in digits in the place value grid below.

Seven million, three hundred and six thousand, four hundred and three.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

E VF

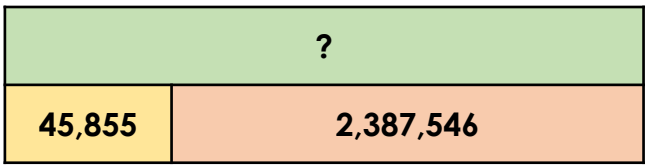
6a. Calculate the missing numbers.

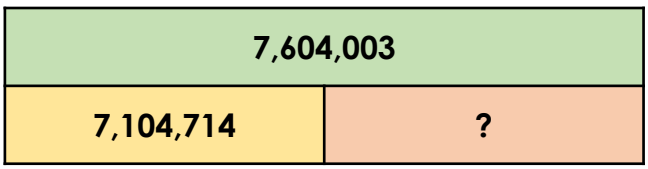
2,435,207 + ☐ = 2,742,154

5,006,710 = ☐ – 310,052

E VF

7a. Complete the bar models.





E VF

8a. Tick all the correct statements.

3,245,809

A. 3,000,000 + 245,000 + 800 + 9 ☐

B. 3,200,000 + 45,000 + 809 ☐

C. 3,000,009 + 240,000 + 5,800 ☐

E VF

Numbers to Ten Million

5b. Write the number in digits in the place value grid below.

Eight million, thirty-two thousand and four.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

E VF

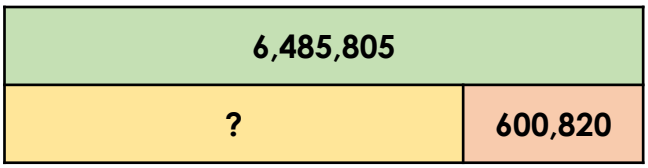
6b. Calculate the missing numbers.

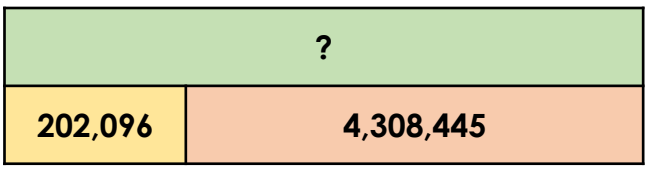
☐ + 943,576 = 5,618,490

☐ = 4,509,443 – 72,659

E VF

7b. Complete the bar models.





E VF

8b. Tick all the correct statements.

5,056,212

A. 5,050,000 + 6,000 + 200 + 12 ☐

B. 5,560,000 + 202 + 10 ☐

C. 5,000,002 + 56,000 + 21 ☐

E VF

Numbers to Ten Million

9a. Write the number in digits in the place value grid below.

Six million, seven hundred thousand, forty-eight hundreds and three ones.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

GD VF

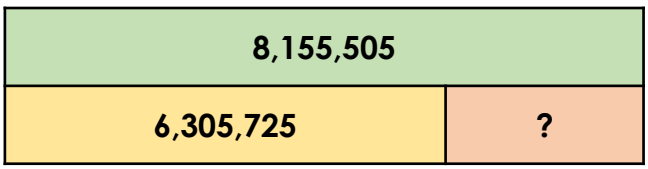
10a. Calculate the missing numbers.

3,058,462 + ☐ = 5,488,472

6,079,079 = ☐ – 220,220

GD VF

11a. Complete the bar models.



GD VF

12a. Tick all the correct statements.

5,084,480

A. 5,084,000 + 400 + 50 + 30 ☐

B. 5,004,080 + 80,000 + 400 ☐

C. 5,004,080 + 84,000 + 400 ☐

GD VF

Numbers to Ten Million

9b. Write the number in digits in the place value grid below.

Nine million, six hundred thousand, four hundred and seventy-two tens and one.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

GD VF

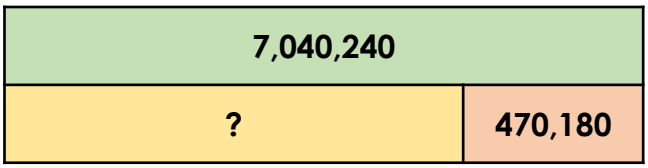
10b. Calculate the missing numbers.

☐ + 306,306 = 8,508,508

☐ = 9,717,717 – 207,707

GD VF

11b. Complete the bar models.



GD VF

12b. Tick all the correct statements.

7,110,010

A. 7,000,010 + 100,000 + 10,000 ☐

B. 7,100,000 + 10,000 + 10 ☐

C. 7,000,000 + 100,000 + 10,010 ☐

GD VF

Varied Fluency
Numbers to Ten Million

Developing
1a. 4,355,431
2a. 3,215,111; 4,867,339
3a. 3,457,996; 311,242
4a. A

Expected
5a. 7,306,403
6a. 306,947; 5,316,762
7a. 2,433,401; 499,289
8a. A, B and C

Greater Depth
9a. 6,704,803
10a. 2,430,010; 6,299,299
11a. 3,330,079; 1,849,780
12a. A and B

Varied Fluency
Numbers to Ten Million

Developing
1b. 6,581,215
2b. 4,413,373; 1,441,241
3b. 4,211,241; 6,529,999
4b. B

Expected
5b. 8,032,004
6b. 4,674,914; 4,436,784
7b. 5,884,985; 4,510,541
8b. A

Greater Depth
9b. 9,604,721
10b. 8,202,202; 9,510,010
11b. 6,570,060; 5,013,015
12b. A, B and C